

# **Town of Blacksburg**

**FY 2005/2006-2009/2010**

## **Recommended Capital Improvement Program**

### **Town Council**

Roger E. Hedgepeth, Mayor  
Ron Rordam, Vice Mayor  
Paul Lancaster  
Don Langrehr  
Alvah Leighton  
Joyce Lewis  
Thomas M. Sherman

### **Town Administrative Staff**

Town Manager - Gary A. Huff  
Assistant Town Manager – Marc A. Verniel  
Town Clerk - Donna W. Boone-Caldwell  
Director of Financial Services - Susan H. Kaiser  
Fire Chief – B. Keith Bolte  
Director of Parks and Recreation - Dean B. Crane  
Director of Planning and Engineering - Adele P. Schirmer  
Chief of Police - William H. Brown  
Community Relations Manager – Heather D. Browning  
Director of Public Works – S. Kelly Mattingly  
Rescue Captain – Wayne Myers  
Director of Technology - Steven B. Jones  
Transit Director – Rebecca L. Martin



December 3, 2004

The Honorable Mayor and Members of Town Council  
Members of the Planning Commission  
Town of Blacksburg  
300 South Main Street  
Blacksburg, VA 24060

Dear Mayor, Members of Town Council and Members of the Planning Commission:

It is our pleasure to present to you the *Recommended FY 2006-2010 Capital Improvement Program (CIP)* for your review and consideration. We are pleased to present to you a plan that focuses on the Town's five-year capital needs and balances the maintenance of existing infrastructure and equipment while keeping pace with technology and new facility requests.

While the needs, wants and desires identified by citizens, Town Departments, Town Council, Town-appointed Boards, Commissions, and Task Forces and Committees continue to significantly exceed the financial resources available, we are pleased to present to you a program for improvements for the first year of the five-year program of approximately \$19.3 million. The *FY 2006 Recommended Capital Improvement Program* represents the tenth consecutive year in which we are able to fund capital needs in excess of \$2.0 million. Over \$4.9 million in General Fund projects were proposed for funding in FY 2006 alone. Below is a ten-year history of funding requested in the first year of the CIP for the General Fund versus actual funding by Town Council or in the case of FY 2006, the proposed funding:

Fiscal Year	Requested Funding	Actual/Proposed Funding	Increase (Decrease)	% Projects Funded
1997	\$4,207,864	\$2,025,768	\$(2,182,096)	48%
1998	\$3,943,817	\$2,071,286	\$(1,872,531)	53%
1999	\$4,549,473	\$2,033,846	\$(2,515,627)	44%
2000	\$4,111,962	\$2,343,920	\$(1,768,042)	57%
2001	\$6,905,321	\$3,469,200	\$(3,436,121)	50%
2002	\$7,151,220	\$2,323,225	\$(4,827,995)	32%
2003	\$6,469,204	\$2,001,541	\$(4,467,663)	31%
2004	\$2,944,488	\$2,180,000	\$( 764,488)	74%
2005	\$4,803,559	\$2,962,890	\$(1,840,669)	62%
2006	\$4,990,958	\$3,100,928	\$(1,890,030)	62%

### **Approach to Funding**

As stated earlier, resources are routinely less than the funds requested for desired capital projects. The Executive Management Team, composed of all Department Heads and the Town Manager, is challenged with analyzing and prioritizing worthwhile, but competing projects. The team approaches the CIP by recommending funding for projects that are "pre-funded" with dedicated revenue sources or for those projects for which we have a long-standing financial commitment such as the Equipment Depreciation Fund. These generally are projects for which the

Town gets State reimbursement to fund projects, such as Sidewalk Replacement; or for which the Town has a contractual obligation, such as matching funds for Major Street Improvements. Below is a chart that illustrates the breakdown of projects that are priority funded:

Project	Amount	Revenue Source
Equipment Depreciation Fund	\$603,694	Long-Standing Financial Contribution
Curb, Gutter, Sidewalk Replacement	\$ 22,500	State Reimbursement
Major Street Improvements	\$100,000	Matching Funds

Of the \$3,100,928 recommended for funding in FY 2005/2006 from the General Fund, \$726,194 or 23.4% is designated as priority funding, leaving \$2,374,734 or 76.6% available to fund other CIP requests. Once priority funded projects were designated, the Executive Management Team used feedback from Town Council work sessions, the Town's Mission and Values statement, and the Blacksburg Comprehensive Plan to prioritize projects for funding.

#### Town of Blacksburg Mission and Values

The mission of the Blacksburg Town Government is to support a dynamic community by providing effective municipal services and enhancing Blacksburg's quality of life.

#### The Town of Blacksburg Values:

Innovation  
Customer Service  
Open Government

Community Pride  
Leadership  
Integrity

Fiscal Responsibility  
Citizen Involvement  
Public Safety

### **General Fund Overview**

Every few years, the Town Council reviews the "Principles of Sound Financial Management" which guide the staff in designing CIP and budget documents that are fiscally responsible. A copy of the "Principles of Sound Financial Management" can be found in the *Financial Analysis and Tables* section of this document.

In addition, to providing a picture of the Town's current fiscal health, a series of Financial Trend Indicators are also included in the *Financial Analysis and Tables* section.

In past years, the Town has typically bonded \$2 million in general fund projects. Beginning in FY 2004/2005 only \$1 million in bonded projects were planned annually. Beginning in FY 2006/07 \$1.5 million in bonded projects are projected. While capital project needs far exceed projected bond funding, planned bonds for capital projects will remain at reduced levels until revenues increase to a level where debt service can be supported.

### **Revenue Assumptions**

The Town's revenue base is projected to grow approximately 4% annually for the next five years. This takes into consideration the revenue growth experienced in FY 2003 and FY 2004. While projecting revenues for the five-year CIP period, a thorough analysis of revenues budgeted in FY 2004 against those actually received indicates that the strength of the Town's revenue are in the category of Other Local Taxes. This category is estimated to increase 8.6% from actual

revenue received in FY 2004 partially due to an increase in the hotel tax and cigarette tax rates during FY 05.

While the Town is fortunate to rely on a very diverse revenue base, we need to constantly be aware of potential changes in taxing authority and changes in funding allocations generated by the General Assembly. Legislative proposals, such as a local share of state income taxes, distribution of telecommunication taxes, and continuing discussions on changes in the Business, Professional and Other Licenses (BPOL) tax, as well as the impact of the state budget problems head the list of items that we will continue to vigorously monitor during the upcoming legislative session.

### **Expenditure Assumptions**

Projected operating expenditures are based on an increase of approximately 5.9% for FY 2005/2006. This increase is due to a 2.5% increase in other operating expenditures, a 6.5% increase in employee compensation and a projected 9.0% increase in employee health benefits. For the last four years of this CIP period, operating expenditures are projected to increase each year, by approximately 4.0%. It should be noted that only existing programs are included in the expenditure assumptions used in the development of the CIP. Organizationally, we will continue to pursue productivity and quality improvements to maximize existing financial resources.

### **Financing the Capital Improvement Program**

The *Recommended FY 2006-2010 Capital Improvement Program* relies upon General Fund revenue, water and sewer funds, general obligation bonds and Federal and State support for capital projects. Equipment replacement and infrastructure maintenance and replacement are funded with General Funds and/or Water and Sewer Funds while bond funds are used as a secondary funding source for projects that are more long-term in nature.

### **Funding Recommendations**

Following is a brief summary of projects that are recommended for the first year of the five-year period by functional area:

#### **General Fund**

##### *Finance Department:*

AS400 Peripheral Equipment Replacement	\$25,000
Subtotal	<u>\$25,000</u>

##### *Fire Department:*

Downtown Fire Station Architectural Study and Renovations	\$20,000
South End Fire Station	<u>\$577,000</u>
Subtotal	<u>\$597,000</u>

##### *Rescue:*

Opticom Lights	<u>\$35,000</u>
Subtotal	<u>\$35,000</u>

*Recommended FY 2006-2010 Capital Improvement Program  
Transmittal Letter*

*Parks and Recreation Department:*

Heritage Community Park and National Area Development	\$50,000
Skate Park Design and Construction	\$145,000
Restroom Replacement in Parks	<u>\$50,000</u>
Subtotal	<u><u>\$245,000</u></u>

*Planning and Engineering:*

Information, Integration, Storage and Dissemination	\$50,000
GIS (Hardware replacement)	\$10,000
Stormwater Cost Share Projects	\$15,000
Council Land Use Study	\$80,000
Major Street Improvements	\$100,000
Neighborhood Enhancement Matching Grants	\$11,000
Neighborhood Traffic Control Program	<u>\$25,000</u>
Subtotal	<u><u>\$291,000</u></u>

*Police Department:*

Communication System	<u>\$30,000</u>
Subtotal	<u><u>\$30,000</u></u>

*Public Works Department:*

Rental Property Maintenance	\$15,000
Traffic Signal Cabinet Upgrades	\$18,000
Traffic Signal Head Replacement	\$20,000
Transfers to Building Systems Depreciation Fund	\$45,834
Transfers to Equipment Depreciation Fund	\$603,694
Curb, Gutter and Sidewalk Replacement	\$22,500
Major Facilities Repair	\$16,000
Municipal Building Electrical Service Upgrade	\$60,000
Traffic Signal Equipment Replacement	\$27,000
Roof Replacement	<u>\$16,000</u>
Subtotal	<u><u>\$844,028</u></u>

*Technology Department:*

Website Upgrade	\$50,000
Email Upgrade	\$23,000
Technology Replacement	\$101,400
Fiber Optic Network Expansion/Conduit for Town of Blacksburg	\$74,500
4 Vehicle Mobile Data Computers and Software for Town Rescue Vehicles	<u>\$46,000</u>
Subtotal	<u><u>\$294,900</u></u>

*Town Manager:*

Bennett House Renovation	\$100,000
Downtown Improvements: South Main Street	\$531,500
WTOB Digital Upgrade	\$107,500
Subtotal	<u>\$739,000</u>

**Total General Fund Projects**

**\$3,100,928**

Details for all of the projects recommended for funding in the *Recommended FY 2006-2010 Capital Improvement Program* can be found in the Project Description section of this document.

**Water and Sewer Fund**

This CIP assumes continued implementation of the recommendations of the Ernst and Young Utility Rate Study conducted in FY 1993. We are pleased to report that we continue to be on track in meeting the goals identified in the Utility Rate Study. These goals include the following:

- 1) To maintain the integrity of the existing water and sewer infrastructure;
- 2) To decrease the dependency on one-time availability fee revenues for the day-to-day operations of each fund with an ultimate goal of dedicating availability fees to support capital construction needs;
- 3) To maintain a reserve cash balance in the water and sewer enterprise fund at a target level of six months of expenditures for operations and maintenance of the systems and a renewal and replacement reserve of 3% of fixed assets; and,
- 4) To manage debt to maintain a ratio of net revenues (revenues less operations not including depreciation) of at least 1.15 times debt service requirements.

The initial five-year implementation of the recommendations included in the Utility Rate Study has been completed. Following careful analysis, we are projecting no increase in water rates.

Recommended in FY 2005-2006 for the Water and Sewer Fund are capital projects totaling \$3,363,162. These projects are funded from a combination of bond funds and water and sewer system revenue. Following are the projects proposed for funding in FY 2005/2006:

**Water/Sewer Fund**

*Finance Department:*

RadioRead Vehicle Transceiver Unit (VXU)	
Replacement/Upgrade	\$7,000
Meter Maintenance and Replacement	<u>\$21,000</u>
Subtotal	<u><u>\$28,000</u></u>

*Planning and Engineering:*

Water System Upgrades	\$100,000
Water Tank Replacement	\$1,811,250
GIS (Hardware Replacement)	\$10,000

*Recommended FY 2006-2010 Capital Improvement Program  
Transmittal Letter*

Sewer System Upgrade	\$435,527
Water Age Improvements	\$305,030
Water-line Extension	\$10,000
Water Storage Facility	\$95,000
Subtotal	<u>\$2,766,807</u>

*Public Works Department:*

EMS/P2 Program – Sanitary Sewer Inflow & Infiltration Abatement	\$250,000
Transfers to Equipment Depreciation	\$129,605
Truck Mounted Sewer Cleaner	\$115,000
Water Main Replacements	\$73,750
Subtotal	<u>\$568,355</u>

<b>Total Water/Sewer Fund Projects</b>	<b><u>\$3,363,162</u></b>
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Details for all projects in the Water and Sewer Fund that are recommended can be found in the Water and Sewer section of this document.

It should be noted that any increase in the wholesale water and sewer rates by either the Water Authority or Sanitation Authority are not reflected in these funding recommendations. If such increase in wholesale rates should occur, in all likelihood a commensurate increase would be reflected in the Town's water and sewer rates.

Finally, we will continue to carefully monitor the fiscal condition of the Water and Sewer Fund particularly as it relates to the recommendations of the Utility Rate Study.

**Golf Course**

No projects are proposed for funding for the Golf Course. No projects will be funded until the Golf Course revenues cover operating expenditures and build sufficient retained earnings to support capital improvements.

**Blacksburg Transit**

Recommended capital projects to support the Blacksburg Transit system include vehicle replacements, completion of the transit facility addition, completion of the Automated Vehicle Locator system and the design and construction of a multi-modal transit transfer facility. Blacksburg Transit is financed from multiple funding sources including Federal and State grants, a Town of Christiansburg contribution, Virginia Tech student activity fees, and farebox revenue. No Blacksburg generated tax revenue is used to support Transit operations. Projects that are not funded are generally deferred until the following year when grant funds will be requested again. Details for all projects for Blacksburg Transit can be found in the Transit section of this document.

**Future Issues**

The impact of legislative proposals and the economy could have a significant impact in the funding sources for both the *Capital Improvement Program* and the *FY 2005-2006 Operating Budget*. Staff will actively monitor the General Assembly and the economy throughout the coming months, particularly as actions may impact the fiscal resources of the Town.

**Summary**

In conclusion, we are proud to present to you for your consideration the *Recommended FY 2006-2010 Capital Improvement Program* that we believe is both fiscally responsible and responsive to the community. We will continue to examine and monitor our financial assumptions and review changing conditions to ensure this capital improvement program reflects the Town's Mission, Values, and Action Strategies from our Comprehensive Plan.

During the next several weeks, we look forward to reviewing and discussing these recommendations with you. Earlier this year, the Town Council adopted the following schedule for review and consideration of the *Recommended FY 2006-2010 Capital Improvement Program*:

2004

December 7 Town Council Work Session

December 14 Town Council Schedules Public Hearing on CIP for January 11, 2005

December 21 Town Council Worksession

2005

January 4 Planning Commission holds Public Hearing and makes recommendation on CIP to Town Council

January 11 Town Council Public Hearing on *Recommended CIP*

January 25 Town Council consideration of resolution approving *Recommended FY 2006-2010 Capital Improvement Program*

Finally, special thanks to the Executive Management Team, consisting of Marc Verniel, Assistant Town Manager; Susan Kaiser, Finance Director; Elaine Gill, Human Resources Manager; Dean Crane, Director of Parks and Recreation; Adele Schirmer, Director of Planning and Engineering; Bill Brown, Chief of Police; Heather Browning, Public Information Officer; Kelly Mattingly, Director of Public Works; Steve Jones, Director of Technology; and Rebecca Martin, Transit Director. Also, a commendation to Teresa Dawkins, Executive Assistant for her able and skilled assistance in compiling this document.

Thank you for your careful review and consideration of this document. We are prepared to work with you as you review these recommendations and create a five-year Capital Improvement Program for the community. Thank you for your continued support as we pursue capital improvements that will enhance the quality of life for citizens of Blacksburg into the new millennium.

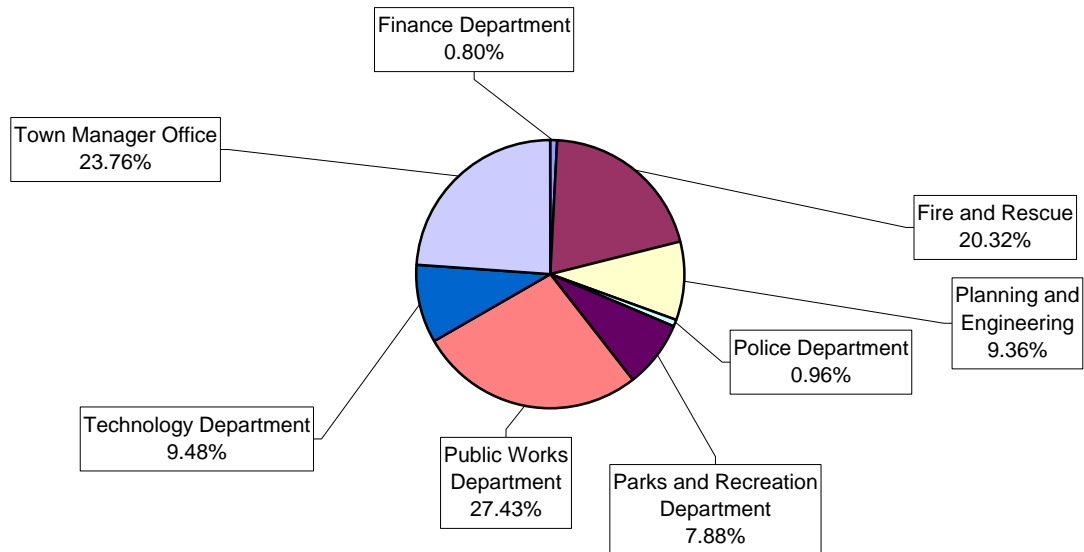
Sincerely,



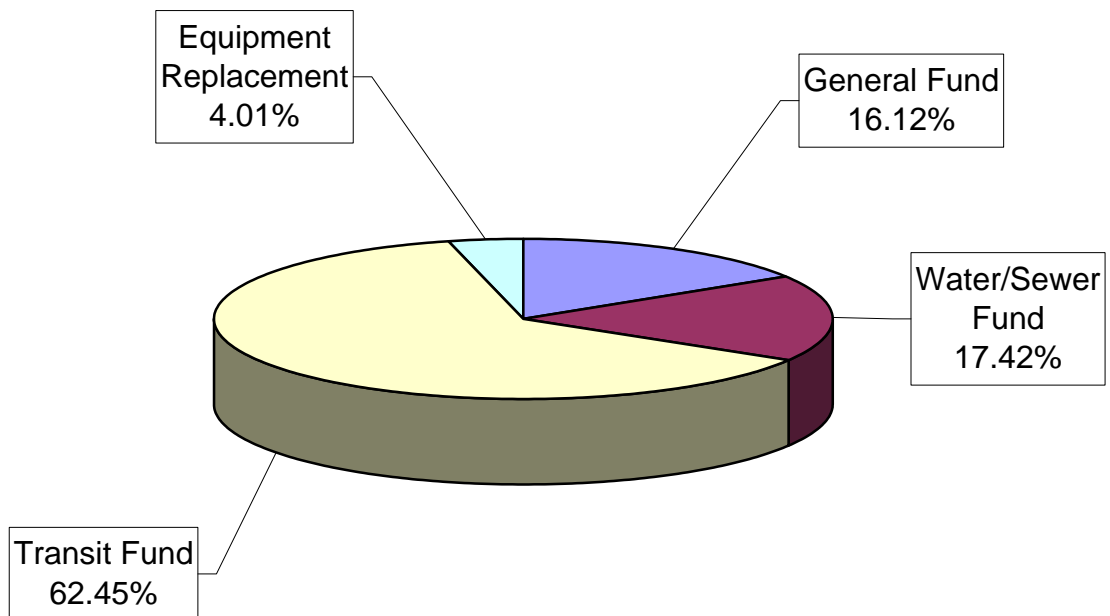
Gary A. Huff  
Town Manager



### FY 2006 General Fund Projects



### FY 2006 Capital Improvement Program



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# CAPITAL IMPROVEMENT PROGRAMMING

## Introduction

Capital Improvement Programming is a method of planning for the effective and efficient provision of public facilities, infrastructure improvements, major maintenance requirements, and acquisition of property and equipment. The first year of the *Recommended Capital Improvement Program* represents the Town Manager's recommendations to the Town Council as the Capital Improvement Program (CIP) budget.

A five-year CIP allows the Town Council and the citizenry an opportunity to view both the short-term capital construction and the acquisition needs of the Town of Blacksburg. Viewing the short-term needs enables the Town to better plan their financing strategy for capital improvements and annual operating requirements.

## Organization of the CIP

The Town of Blacksburg's CIP is composed of three major sections. The introduction on Capital Improvement Programming provides an overview of why and how the Town's CIP is developed together with the benefits of Capital Improvement Programming.

The Financial Analysis section includes the Principles of Sound Financial Management, charts outlining five-year financial trend indicators, historical revenue and expenditure data, and projected revenue, expenditure and debt service for the CIP period.

Finally, Project Details are included by departmental areas for those projects recommended for funding in the CIP period. The General Fund departmental areas include Financial Services, Fire and Rescue, Planning and Engineering, Parks and Recreation, Police, Public Works, Technology and Town Managers Office. The other self-supporting funds include the Golf Course, Equipment Replacement, Transit, and Water and Sewer.

## Legal Basis for Capital Improvement Programming

The Town of Blacksburg is required to prepare a five-year CIP pursuant to Article VI, Section 6.05 of the *Town of Blacksburg Charter*

### §6.05 Capital Program

- A. Submission to Council. The Manager shall prepare and submit to the Council a five-year capital program at least three months prior to the final date for submission of the budget.
- B. Contents. The capital program shall include:
  - A clear general summary of its contents;
  - A list of all capital improvements which are proposed to be undertaken during the five fiscal years next ensuing, with appropriate supporting information as to the necessity for such improvements;
  - Cost estimates, method of financing and recommended time schedules for each such improvement; and
  - The estimated annual cost of operating and maintaining the facilities to be constructed or acquired.

The above information may be revised and extended each year with regard to capital improvements still pending or in process of construction or acquisition.

## **Basis for Budgeting**

The first year of the CIP represents the Recommended Capital Improvement Budget for that year. Following adoption by the Town Council, the first year of the CIP should be viewed as the capital budget. Any changes to the capital budget during Council consideration of the fiscal year budget also alters the first year of the CIP. Alterations to the CIP during deliberations on the annual budget should be dependent primarily upon changed circumstances from when the CIP was originally adopted. The CIP is a proposed expenditure plan; the budget adopted by the Town Council provides the legal authorization to actually expend Town funds.

The CIP is based on a fiscal year calendar. The fiscal year calendar for the Town of Blacksburg begins July 1 and ends June 30.

## **Benefits of Capital Improvement Programming**

The principal benefit of Capital Improvement Programming is that it requires the Town to address the problem of balancing capital improvements with available financing. This process contributes to a responsible fiscal policy. Other benefits of Capital Improvement Programming include:

- Fostering a sound and stable financial program over a five-year period given a set of revenue and expenditure assumptions based on current economic trends;
- Coordinating various Town improvements so that informed decisions can be made and joint programs initiated among Town departments in an effort to avoid duplication;
- Enabling private businesses and citizens to have some assurances as to when certain public improvements will be undertaken so they can plan more efficiently and effectively;
- Assisting in the implementation of the *Comprehensive Plan* over an extended period of time;
- Focusing on the goals and needs of the community through the provision of new facilities and infrastructure improvements;
- Evaluating annually the infrastructure needs of the Town to provide for the public health and safety of the citizens of the Town; and
- Providing a logical process for assigning priorities to the various projects based on their overall importance to the Town.

These and other advantages make the CIP a practical necessity for the Town.

## **Definition of a Capital Improvement Project**

Capital improvements are major construction or acquisition efforts, which are non-recurring in nature. Generally, capital improvement projects are defined as follows:

- Studies pertaining to capital improvements that require the employment of outside professional consultants at a cost in excess of \$15,000;

- Construction of buildings or facilities; including design, engineering, and other preconstruction costs with an estimated cost in excess of \$15,000;
- Purchase of major equipment and vehicles, other than office and data processing equipment, valued in excess of \$15,000 with a life expectancy of five years or more;
- Major equipment or furnishings required for the utilization of new or renovated buildings; or,
- Major acquisition of land or other property.

## Capital Improvement Program Submission Process

In September of each year, the Director of Finance and the Town Manager distribute instructions to Department Heads requesting projects for consideration for the next five-year CIP period (copy follows this section). Each Department Head is responsible for reviewing the most recent CIP to determine the funding necessary for projects that are currently programmed in the CIP and the Action Strategies identified in the *Comprehensive Plan* (copy follows this section). Based on this review and a review of new requirements for capital improvements for the next five-year period, the Department Head completes a Cost Estimate Detail Form, and a Project Detail Sheet.

## Cost Estimate Detail Form

Department Heads are also asked to complete a Cost Estimate Detail Form to determine the estimated cost of a project. This form outlines the costs of planning and design, land acquisition, construction, and the purchase of equipment. All costs are inflated to reflect the estimated cost in the year which the project and/or purchase is anticipated to be funded.

Planning and design consists of all costs for the planning and design of a project including both preliminary and final design and engineering.

Land acquisition costs include appraisals, legal fees, survey, recordation, and property costs.

Equipment costs may include the purchase of a new or replacement vehicle or furniture and fixtures to furnish a new or renovated building. The cost of equipment should exceed \$15,000 to be considered as a Capital Improvement Project.

Department Heads are also asked to identify the source of their estimate and possible funding options or alternatives.

## Project Detail Sheet

Finally, Department Heads are asked to complete a Project Detail Sheet to summarize the project which is requested for consideration. If a project is ultimately recommended by the Town Manager to the Planning Commission and Town Council for consideration, this form is used for presenting information on the project to Town Council, the Planning Commission, and the public. Included on the Project Detail Sheet is the planned source of funding for the project together with the fiscal year in which the project is expected to be funded. Also included on the Project Detail Sheet are pertinent data such as the Department administering the project, the project title, project location, project status, the project's relationship to the Town's Mission and Values and the Town Council Strategic Goals, and a description for each project.

## Capital Improvement Program Schedule

September	Town Manager and Finance Director sends instructions to Department Heads
October	CIP submissions due to Executive Management Team
October	Executive Management Team (EMT) review submissions
Late October	Town Manager and EM Committee formulate Recommended CIP
Late November	Recommended CIP forwarded to Planning Commission and Town Council
Early December	Town Council and Planning Commission Sessions on Recommended CIP
Early January	Planning Commission Public Hearing and Recommendation on CIP sent to Town Council
Mid-January	Town Council Public Hearing on Recommended CIP
Late January	Town Council Adoption of CIP

## Conclusion

The CIP is a document dedicated to a process designed to identify both the capital improvement needs and priorities of the Town over a five-year period in concert with projected funding levels and the Action Strategies included in the *Comprehensive Plan*. Actual programming of projects is dependent upon the fiscal resources available. Funding constraints may preempt the actual inclusion of projects in the current CIP but may be listed as priorities for funding should resources become available.

The Project Detail Sheets on the following pages reflect those projects recommended to be funded in the *Fiscal Years 2004-2008 Capital Improvement Program*.





TO: Department Heads  
Linda Burnsed, Paralegal  
Donna Boone-Caldwell, Town Clerk  
Heather Browning, Community Relations Officer  
Elaine Gill, Human Resource Manager  
Darren Coffey, Housing & Community Development Manager  
Keith Bolte, Fire Chief  
Wayne Myers, Rescue Captain

FROM: Marc A Verniel, Assistant Town Manager

SUBJECT: FY2006-2010 Capital Improvement Program

DATE: October 1, 2004

Once again, it is time for the Capital Improvement Program (CIP) process. We will meet during our regular October Executive Management Team meeting to discuss and decide the projects to be included in the Manager's Recommended CIP.

#### **Reminders in the CIP Process**

- The instructions and forms are being sent by email and also are on the O Drive\CIP FY2006. Forms will be supplied on diskette upon request.
- Only one copy of each project will be required from each department. Also, a copy of the project should be provided on the "O drive" at O:\CIP FY 2006\Submitted Projects\<department name>\, or on diskette to allow for easy changes.
- Only true capital projects will be considered for funding. All other items will be handled under the Operating Budget. Please estimate any of these non-capital project purchases that are to be included in the operating budget at this time so that we can begin planning for these expenses.
- Remember to include requests for all capital projects even if they will be funded by grants or if they are continuing projects such as Building Maintenance funds.
- Remember to include the operating impact of capital projects so they can be considered during the operating budget process.

#### **Guidelines and Forms**

The FY2006-2010 guidelines and forms are attached for use in preparing your CIP submissions:

- **Project Detail Form:** Must be submitted for every project. Includes a total project estimate, description of the project and source of funding. Please use the format on the O Drive, as this form will be published in the document submitted to Town Council.

- **Cost Estimate Detail Form:** This optional form includes an inflation factor, source of estimate and possible funding options or funding alternatives. If this form is not submitted, please submit supporting information to justify the project cost estimate.
- **Estimated New Annual Operating Costs:** This optional form Includes the impact of a new project relative to additional positions and related personnel costs, operating costs including capital equipment. This form only needs to be completed if there are new operating costs associated with the project or the project will reduce operating costs. Most capital projects will impact operating costs, so please complete this form. It will be given to departments as part of the operating budget.

**Deadline for Submissions**

The deadline for submissions of proposed projects is **Wednesday, October 20, 2004.**

# Capital Improvement Program Guidelines

## Definition of a Capital Improvement

Capital Improvements are major construction or acquisition efforts that are nonrecurring in nature. Generally, capital improvement projects are defined as follows:

1. Studies pertaining to capital improvements that require the employment of outside professional consultants at a cost in excess of \$15,000.
2. Construction of buildings or facilities, including design, engineering and other pre-construction costs with an estimated cost in excess of \$15,000.
3. Purchase of major equipment and vehicles valued in excess of \$15,000 with a life expectancy of five years or more.
4. Major equipment or furnishings required for the utilization of new or renovated buildings.
5. Major acquisition of land or other property.

## Capital Improvement Program Submission Process

The Capital Improvement Program is designed as a budget document for the first year of the five-year plan and as a planning document for the remaining four years of the plan.

Each Department Head is responsible for reviewing the most recent Capital Improvement Program to determine the funding necessary for projects that are currently programmed in the Five-Year Capital Improvement Program. Based on this review and a review of new requirements for capital improvements for the next five-year period, the Department Head will complete a **Project Detail Sheet**.

## Project Detail Sheet

The **Project Detail Sheet** is used to summarize the project that is requested for consideration. If the CIP Committee ultimately recommends a project to the Town Council for consideration, this form is used for presenting information on the project to Council and the public.

Department:	Department requesting funding for the project.
Project Title:	Brief title of the proposed project.
Project Location:	Street address or general location of proposed project. If the location is not known, this should say "To Be Determined".
Project Status:	Indicate whether the project is a new project or currently in progress. The project is defined as "New" if it is the first year that the project is in the CIP. The project is "In Progress" if it is currently programmed in the CIP.
Description and Justification:	This information should include a brief description of the project including such things as the size of the facility (square feet) or infrastructure improvement (linear feet), the kind of vehicle to be purchased, the number of facilities to be improved, the names of the facilities to be improved, and the constituency to be served by the project. A brief justification of the project should also be included.

Planned Financing  
of Project:

The planned financing of the project should mirror the cost estimate identified on the optional **Cost Estimate Detail Form** or the cost estimate information provided. The Source of Funds should be identified. The sum of Prior Allocation, 2005/2006 - 2009/2010, and Future Years must add to the Total Project Estimate.

Prior Allocation:

Can be found on most recent project printouts included with the instructions.

## **Conclusion**

The intent this year is to make the CIP process as painless as possible. Hopefully the above instructions will provide you with the guidance you need to submit the necessary information to evaluate the merits of the projects. If you have any questions regarding the process, please contact the Assistant Town Manager.

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:**

**Project Title:**

**Project Location:**

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**Project Status:**

**Description and Justification:**

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
<b>Total</b>									

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## COST ESTIMATE DETAIL SHEET

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**Department:**

**Project Title:**

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### Total Costs Current Dollars

A. Planning, Engineering and Design	
B. Land Acquisition	
C. Construction (Sum of 1,2,3 below)	
1. Construction Cost	
2. Construction Contingency 5% New Construction x Construction Cost 10% Renovation x Construction Cost	
D. Equipment (Furnishings, Vehicles, etc.)	
E. Consultant Study	
F. Inflation (1 + 2 x .02) (per year)	
<b>Total Project Estimate</b>	

**Source of Estimate:**

**Funding Options/Alternatives:**

**Project Submitted:** \_\_\_\_\_

**Estimated New Annual Operating Expenses (if any):**

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Additional Positions (F/T)	
Additional Positions (P/T)	
Capital Equipment	
Operating Costs Excluding Capital Equipment	
Total Costs	
Anticipated Revenue	
Net Costs	

**Departments Impacted:**

**Explanation:**

## CAPITAL IMPROVEMENT PROGRAM

General Fund	Prior Allocation	Submitted 2005/06	Recommended 2005/06	Submitted 2006/07	Recommended 2006/07	Submitted 2007/08	Recommended 2007/08	Submitted 2008/09	Recommended 2008/09	Submitted 2009/10	Recommended 2009/10
<b>Fire Department:</b>											
AS400 Hardware Contingency	100,000	25,000		25,000		25,000		25,000		25,000	
AS400 Peripheral Equipment Replacement		25,000	25,000	25,000		25,000		25,000		25,000	
AS400 Software Development Fund	35,000	25,000		25,000		25,000		25,000		25,000	
Disaster Recovery Plan		54,000		54,000		54,000		54,000		54,000	
Subtotal	160,000	129,000	25,000	129,000	-	129,000	-	129,000	-	129,000	-
<b>Fire Department:</b>											
Downtown Fire Station Architectural Study and Renovations		20,000	20,000					200,000			
South End Fire Station	215,000	577,000	577,000		-	-	-	200,000	-	-	-
Subtotal		597,000	597,000		-	-	-	200,000	-	-	-
<b>Rescue:</b>											
Town Radio Viter System		22,000		6,000							
Mobile Repeater System		11,400									
Replacement of Progress Street Station		50,000		400,000		340,000		2,910,000			
Opticom Lights		35,000	35,000	70,000		40,000					
Subtotal		118,400	35,000	476,000	-	380,000	-	2,970,000	-	-	-
<b>Parks and Recreation Department:</b>											
Heritage Community Park and National Area Development	50,000	50,000	50,000	50,000		50,000		50,000		50,000	
Contruction of Classroom/Meeting Room				180,000		392,560		600,000			78,000
Outdoor Pool Design and Construction		65,076									
Resurfacing Pool Deck and Locker room Floor		145,000	145,000								
Skate Park Design and Construction						50,000		50,000		50,000	
Playground and Park Equipment Depredation Fund						15,000		15,000		15,000	
Dog Park		35,000									35,000
New Fitness Center		175,000				80,000					
New Wooden Gym Floor				100,000		40,000		100,000			100,000
Greenways				50,000							100,000
Restroom Replacement in Parks	30,000	50,000	50,000	50,000							
Subtotal	80,000	520,076	245,000	475,000	180,000	547,560	1,220,000	215,000	600,000	115,000	313,000
<b>Planning and Engineering:</b>											
GIS (Virginia Base Mapping Program Aerial update)		35,000									
King Street Extension		113,164									
Information Integration, Storage, and Dissemination		50,000	50,000								
GIS (Hardware replacement)	73,757	10,000	10,000								
Stormwater Projects		257,499									
Stormwater Cost Shares		15,000	15,000								
Council Land Use Study		200,000	80,000								
Toms Creek Riparian Corridor Assessment		72,800									
Major Street Improvements	20,166,000	100,000	100,000	100,000		100,000		100,000		100,000	
Yellow Sulfur Road Street Lights		15,000									
Neighborhood Enhancement Matching Grants		22,000	11,000	22,000		22,000		22,000		22,000	
Neighborhood Traffic Control Program	77,121	25,000	25,000			25,000		25,000		25,000	
Environmental Management System: Pollution Prevention: Storm Water Management		60,000		40,000		80,000					
Stormwater Management Ponds		250,000		150,000		121,000		350,000			
Traffic Signal and South Main Median Revisions		204,403									
Subtotal	20,338,878	1,429,866	291,000	337,000	140,000	348,000	100,000	497,000	100,000	147,000	122,000
<b>Police Department:</b>											
Police Communication System		920,845	30,000	30,000	30,000	30,000		30,000		30,000	
Subtotal		920,845	30,000	30,000	30,000	30,000	-	30,000	-	30,000	-
<b>Public Works Department:</b>											
Used Vehicle and Equipment Replacements		65,000		50,000		65,000		20,000			
EMS/P2 - Environmentally Preferable Purchasing Initiatives		15,000		15,000		15,000		15,000		15,000	
EMS/P2 - Hazardous Chemical Safety Initiatives		16,300									
New Equipment Purchase - Parks & Landscape Tractor		35,000									
Rental Property Maintenance		15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Traffic Signal Cabinet Upgrades		18,000	18,000	18,000		18,000		21,000			
Traffic Signal Emergency Power Supply		42,000		28,000		28,000					
Traffic Signal Head Replacement		19,560	20,000								
Transfers to Building Systems Depreciation Fund		45,834	45,834	45,834	45,834	45,834	45,834	45,834	45,834	45,834	45,834
Transfers to Equipment Depreciation Fund		603,694	603,694	603,694	603,694	603,694	603,694	603,694	603,694	603,694	603,694
Curb, Gutter and Sidewalk Replacement		22,208	22,500	41,325		36,157		34,451		43,822	45,000
Parks & Landscape Division Storage Building Addition						32,800					
Storm Water Improvements - HUD Project		21,000									
Streets Division Storage Building Addition						28,000					
Town Garage Renovations		45,000									
Major Facilities Repair		44,000	16,000	69,000		38,000					
Traffic Signal Replacement		120,000		120,000	120,000	120,000				120,000	
Municipal Building Electrical Service Upgrade		60,000	60,000	40,000							
Traffic Signal Equipment Replacement		27,000	27,000	16,500		16,500		16,500		16,500	
Roof Replacement		16,000	16,000								
Subtotal	-	1,230,596	844,028	1,062,353	784,528	1,061,985	664,528	771,479	706,528	760,850	829,528
<b>Technology Department:</b>											
Website Upgrade		50,000	50,000								
Email Upgrade		23,000	23,000								
Network Contingency	48,500	15,000		15,000		15,000		15,000		15,000	
Technology Replacement		101,400	101,400	105,000		86,600		115,000		120,000	
Fiber Optic Network Expansion/Conduit for Town of Blacksburg	20,000	40,000	74,500	20,000		110,000					
4 Vehicle Mobile Data Computers and Software for Town Rescue Vehicles		46,000	46,000	4,000							
Subtotal	422,000	275,400	294,900	144,000	86,600	125,000	-	130,000	-	135,000	-
<b>Town Manager:</b>											
North Main Street Betterment Costs				33,000				500,000			
Downtown Improvements: Roanoke Street Improvements	423,389			438,306				50,000			
Alexander Black House Renovations								438,305			



## CAPITAL IMPROVEMENT PROGRAM

	Prior Allocation	Submitted 2005/06	Recommended 2005/06	Submitted 2006/07	Recommended 2006/07	Submitted 2007/08	Recommended 2007/08	Submitted 2008/09	Recommended 2008/09	Submitted 2009/10	Recommended 2009/10
Bennett House Renovation		50,000	100,000								
Old Fellow Hall Restoration		250,000									
Downtown Improvements: South Main Street Streetscape		72,000	250,000	531,500	350,000		180,000				
Downtown Improvements: College Avenue Promenade						500,000		500,000			
Downtown Improvements: Diaper Road Improvement Grants						375,000		303,000		522,000	800,000
Downtown Improvements: Façade Improvement Grants		25,000		25,000		25,000		25,000		25,000	
Downtown Improvements: Farmers Market Improvements				15,000		104,200					100,000
WTOB Digital Upgrade		63,400	53,600	107,500	50,000	50,000					
Subtotal	808,789	660,120	739,000	1,867,306	1,060,000	2,042,505	180,000	828,000	758,000	547,000	900,000
<b>Total General Fund Projects</b>	<b>22,730,512</b>	<b>4,990,458</b>	<b>3,100,928</b>	<b>4,520,659</b>	<b>2,281,128</b>	<b>4,864,050</b>	<b>2,164,528</b>	<b>5,770,479</b>	<b>2,164,528</b>	<b>1,863,850</b>	<b>2,164,528</b>
<b>Water/Sewer Fund</b>											
Finance Department:											
Radio/Read Vehicle Transceiver Unit (NXU) Replacement/Upgrade	14,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000
AS400 Software Development Fund	25,000										
Disaster Recovery Plan	18,000										
Water Maintenance and Replacement	203,526	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000
Subtotal		28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000
<b>Planning and Engineering:</b>											
Water System Upgrades		135,410	100,000	149,585		85,555	235,140	142,781	142,781		
Water Tank Replacement		1,811,250	1,811,250								
Allegheny Tank Inspection		20,000		20,000							
Coal Bank Ridge Water Storage Facility											
GIS (Hardware replacement)		10,000	10,000								
Sewer System Upgrade		512,148	435,527	160,000	160,000	62,322	242,322	62,322	62,322	62,322	62,322
Water Age Improvements		305,030	305,030								
Water-line Extension		10,000	10,000	733,159	555,043						
Water Storage Facility		95,000	95,000	1,298,279	1,300,000						
Subtotal	-	2,898,838	2,766,807	2,341,023	2,035,043	147,877	477,462	299,295	299,295	941,970	789,246
<b>Public Works Department:</b>											
EMS/P2 Program - Sanitary Sewer Inflow & Infiltration Abatement		286,000	250,000	216,000	216,000	216,000	216,000	216,000	216,000	216,000	216,000
Transfers to Equipment Depreciation Fund		129,605	129,605	129,605	129,605	129,605	129,605	129,605	129,605	129,605	129,605
Truck Mounted Sewer Cleaner		115,000	115,000								
Utility Division Building Addition		42,600					50,000				
Water Main Replacement		73,750	73,750	59,513	59,513	77,300	77,300	55,450	55,450	28,314	28,314
Subtotal	-	626,955	568,355	405,118	405,118	422,905	472,905	401,055	401,055	373,919	373,919
<b>Total Water/Sewer Fund Projects</b>	<b>203,526</b>	<b>3,553,793</b>	<b>3,363,162</b>	<b>2,774,141</b>	<b>2,468,161</b>	<b>598,782</b>	<b>978,367</b>	<b>728,350</b>	<b>728,350</b>	<b>1,343,889</b>	<b>1,191,165</b>
<b>Golf/Swimming Pool Fund</b>											
Transfers to Equipment Depreciation Fund		10,024	10,024	10,024	10,024	10,024	10,024	10,024	10,024	10,024	10,024
<b>Total Golf/Swimming Pool Fund Projects</b>	<b>-</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>
<b>Transit Fund</b>											
Blacksburg Transit Multimodal Facility	650,000	10,000,000	10,000,000								
Staff Vehicle Replacement	46,920			59,400	59,400	111,100	111,100			34,200	34,200
BT Access Body on Chassis (BOC) Van Expansion		212,000	212,000	216,000	216,000	110,000	110,000			114,000	114,000
BT Access Body on Chassis (BOC) Van Replacement		212,000	212,000	108,000	108,000			336,000	336,000	228,000	228,000
Completion of AVL Program	898,483										
Fixed Route Bus Expansion	836,400	879,800	879,800	885,600	885,600	902,000	902,000	918,400	918,400	934,800	934,800
Fixed Route Bus Replacement	20,000	42,400	42,400	2,448,400	2,448,400	1,338,000	1,338,000	1,285,600	1,285,600	1,331,000	1,331,000
Radio Replacement and Expansion Program	3,200	1,697	1,697	3,457	3,457	880	880	897	897	3,648	3,648
Shelter, Amenities, and Bike Rack Replacement and Expansion Program		17,900	17,900	18,500	18,500	10,200	10,200	11,200	11,200	17,500	17,500
Simulator Acquisition and on-going Maintenance Costs				265,000	265,000	15,000	15,000	15,000	15,000	15,000	15,000
Staff Vehicle Expansion				134,240	134,240	27,500	27,500	25,760	25,760	26,500	26,500
Technology Replacement and Expansion Program	29,580					22,000	22,000	24,080	24,080	26,220	26,220
Transit Capital Assets Program	23,000	42,500	42,500	19,980	19,980	50,000	50,000	50,000	50,000	50,000	50,000
Transit Facility Maintenance Cost Program	50,000	40,000	40,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Transit Facility Expansion and Furnishings	3,500,000	600,000	600,000	200,000	200,000						
<b>Total Transit Fund Projects</b>	<b>6,523,608</b>	<b>12,048,297</b>	<b>12,048,297</b>	<b>4,458,577</b>	<b>4,458,577</b>	<b>2,636,680</b>	<b>2,716,937</b>	<b>2,716,937</b>	<b>2,716,937</b>	<b>2,830,868</b>	<b>2,830,868</b>
<b>Equipment Replacement Fund</b>											
Major Equipment Purchase		788,000	788,000	504,000	504,000	814,000	814,000	834,000	834,000	777,000	777,000
<b>Total Equipment Replacement Fund Projects</b>		<b>788,000</b>	<b>788,000</b>	<b>504,000</b>	<b>504,000</b>	<b>814,000</b>	<b>814,000</b>	<b>834,000</b>	<b>834,000</b>	<b>777,000</b>	<b>777,000</b>
<b>Major Building System Replacement Fund</b>											
Major Building System Replacement		-	-	38,000	38,000	7,500	75,000	61,000	61,000	900	900
<b>Total Major Building System Replacement Fund Projects</b>				<b>38,000</b>	<b>38,000</b>	<b>7,500</b>	<b>75,000</b>	<b>61,000</b>	<b>61,000</b>	<b>900</b>	<b>900</b>
<b>Solid Waste/Recycling Fund</b>											
Wheeled Recycling Carts		46,040									
Transfers to Equipment Depreciation Fund			21,840	21,840	21,840	21,840	21,840	21,840	21,840	21,840	21,840
<b>Total Solid Waste/Recycling Fund Projects</b>	<b>-</b>	<b>67,880</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>
<b>Grand Total</b>	<b>29,457,646</b>	<b>21,458,452</b>	<b>19,332,251</b>	<b>12,327,241</b>	<b>9,781,730</b>	<b>8,752,876</b>	<b>6,700,439</b>	<b>10,142,630</b>	<b>6,536,679</b>	<b>6,848,371</b>	<b>6,996,325</b>

## **Financial Analysis**

As an aid to comprehensive financial planning, this section examines both historical and projected revenues and expenditures of the Town. This section also includes the "Principles of Sound Financial Management". A series of financial trend indicators are included to provide a gauge for evaluating the Town's financial condition.

Projected revenues and expenditures are based on assumptions given current economic trends, historical growth and anticipated State funding levels. Also included are tables reflecting the Town's debt service obligation and those obligations relative to total General Fund expenditures.

# Town of Blacksburg

## Principles of Sound Financial Management

### Introduction

These principles set forth the broad framework for overall fiscal planning and management of the Town's resources. In addition, these principles address both current activities and long-term planning. Every two years, following a Council election, these principles will be reviewed to assure the highest standards of fiscal management.

### Overall Goals

The financial goals of the Town of Blacksburg are designed to ensure the Town's sound financial condition at all times.

1. **Sound Financial Condition** may be defined as:
  - ✓ Cash Solvency - The ability to pay bills.
  - ✓ Budgetary Solvency - The ability to annually balance the budget
  - ✓ Long Term Solvency - The ability to pay future costs
  - ✓ Service Level Solvency - The ability to provide needed and desired services.
2. **Flexibility** is a goal that ensures that the Town is in a position to react and respond to changes in the economy and new service challenges without measurable financial stress.
3. **Adherence to Best Accounting and Management Practices** in conformance with generally accepted accounting procedures as applied to governmental units, and the standards of the Governmental Accounting Standards Board and the Government Finance Officers Association (GFOA).

### Financial Principles

1. **A balanced budget** should be prepared annually by the Town Manager and forwarded to the Town Council for consideration.
2. **Ongoing operating costs** should be funded by ongoing revenue sources. This protects the Town from fluctuating service levels and avoids concern when one-time revenues are reduced or removed. In addition:
  - a. **Cash balances** should be used only for one-time expenditures, such as land acquisition, capital improvements and capital equipment or special one-time expenditures.
  - b. **Federal grants** should not financially support essential Town services. Federal grant monies should be tied to programs and services with the understanding that those services delivered with grant funding may be revised and altered based on grant funding availability.
  - c. **New operating costs associated with capital projects** should be funded through the operating budget but identified and outlined in the capital improvement program.
  - d. **Revenue related to the lease of the Armory** should be dedicated to capital improvement projects related to parks and recreation enhancements with emphasis on youth programming.

3. The Town Manager should forward to the Town Council a quarterly financial report identifying meaningful trends in both revenues and expenditures for all major funds.
4. Department Heads are responsible for managing departmental budgets within the total appropriated budget.
5. Replacement of Town vehicles, including Fire and Rescue vehicles, should be funded through the Equipment Replacement Fund.
6. Financial Trend Indicators should be prepared and reviewed annually to determine the Town's financial condition. Town Council will review these indicators prior to the development of the Capital Improvement Program and annual operating budget. The Financial Trend Monitoring System (FTMS) offers the following:
  - a. A method for quantifying a significant amount of information in relatively simple terms to gain better understanding of the Town's financial condition;
  - b. Places the events of a single year into a longer perspective and permits the Town to evaluate trends; and,
  - c. A straightforward picture of financial strength and weaknesses.
7. General Fund *Undesignated Fund Balance* should be targeted at no less than 10% of operating expenditures exclusive of capital improvement and debt service expenditures. *Bond Proceeds should be deposited and budgeted into the Capital Project Funds.*
8. Debt service should be generally targeted at 10% and not exceed 15% of operating expenditures exclusive of capital improvement and debt service expenditures.
9. A five-year financial forecast should be developed annually to determine net capital financing potential, to react to changes in the economy, and to accommodate regulatory and legislative mandates.
10. Investment practices should be in accordance with the Town's Investment and Portfolio Policy. The Investment and Portfolio Policy should be reviewed by Town Council every two years.
11. The Town shall annually prepare a Comprehensive Annual Financial Report and should seek recognition from the GFOA by applying for and receiving the organization's Certificate of Excellence in Financial Reporting. In addition, the Town should seek recognition by applying for and receiving the GFOA Distinguished Budget Presentation Award.
12. The Town operates four enterprise funds: Water and Sewer, Solid Waste and Recycling, Golf Course and Transit. Enterprise Funds should be self-sufficient. They should include a reserve of at least three months expenditures for operations and maintenance. Enterprise Funds should be charged for indirect administrative costs performed by other Town departments. Revenue should be sufficient to fund operations, capital improvements, equipment replacement and department service.
13. To maintain the integrity of the Water and Sewer Fund the following goals should be achieved:
  - a. Maintain a cash balance in the Water and Sewer Fund at a target of six months expenditures for operations and maintenance of the systems plus 3% of fixed assets for a renewal and replacement reserve.
  - b. Maintain a ratio of Net Revenues (Revenues less Operations not including Depreciation) of at least 1.15x debt service requirements.

14. User fees for all operations should be reviewed annually to ensure rates are market competitive and defray operating costs. In the case of Enterprise Funds and Internal Service Funds, fees should be reviewed annually to ensure that revenues generate sufficient funds to cover the total cost of services.
15. A five-year capital improvement program should be prepared each year at least three months prior to the submission of the budget.
16. The Town should maintain a bond rating of no less than "A3" from Moody's Investors Service and "A-" from Standard and Poor's. Bonds which are rated in the "A" categories possess many favorable attributes and are to be considered as upper medium grade obligations. Factors giving security to principal and interest are considered adequate, but elements may be present which suggest a susceptibility to impairment some time in the future. (Note: The Town is currently rated A1 by Moody's Investors Services and A+ by Standard and Poor's –October, 2002)

Principles of Sound Financial Management

Adopted by Town Council: **April 23, 1996**

Revised by Town Council: **July 14, 1998**

Revised by Town Council: **August 24, 2004**

## INDICATOR 1

### Revenues per Capita

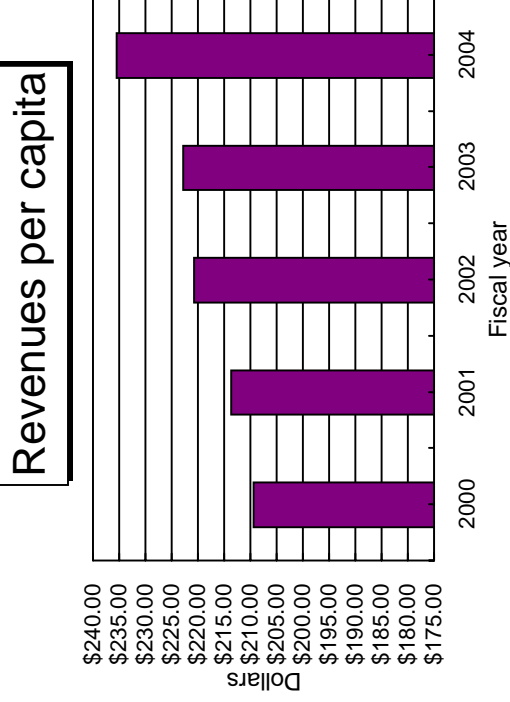
#### Warning Trend:

Decreasing net operating revenues per capita (constant dollars)

#### Formula:

Net operating revenues & transfers (constant dollars)

Population



Fiscal year:	2000	2001	2002	2003	2004
Net operating revenues and transfers	\$13,927,801	\$14,528,594	\$15,214,022	\$15,869,694	\$17,503,179
Consumer price index	168.1	170.3	171.1	174.3	179.7
Net operating revenues & transfers (constant dollars)	\$8,285,426	\$8,531,177	\$8,891,889	\$9,104,816	\$9,740,222
Current population	39,573	39,933	40,294	40,868	41,358
Net operating revenues & transfers per capita (constant dollars)	\$209.37	\$213.64	\$220.68	\$222.79	\$235.51

#### Analysis:

Examining per capita revenues shows changes in revenues relative to changes in population size and rate of inflation (Consumer Price Index for Urban Wage Earners/Clerical with base years 1982-1984 equal to 100). FY 2004 reflects a full year of the 2003 reassessment as well as the increase in the meals tax and cigarette tax rates and indicates the stability of the economy especially in economic sensitive areas such as meals taxes, sales taxes and business licenses.

## INDICATOR 2

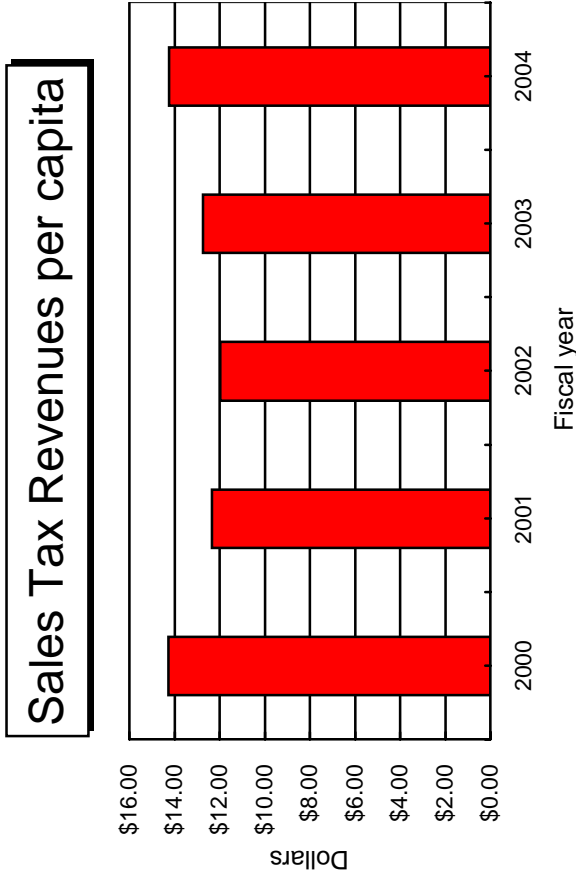
### Sales Tax Revenues Per Capita

#### Warning Trend:

Decreasing net sales tax revenues per capita  
(constant dollars)

#### Formula:

$$\frac{\text{Net Sales Tax Revenues (constant dollars)}}{\text{Population}}$$



Fiscal year:	2000	2001	2002	2003	2004
Net Sales Tax Revenues	\$949,790	\$839,679	\$826,243	\$907,802	\$1,057,578
Consumer price index	168.1	170.3	171.1	174.3	179.7
Net Sales Tax Revenues (constant dollars)	\$565,015	\$493,059	\$482,901	\$520,827	\$588,524
Current population	39,573	39,933	40,294	40,868	41,358
<b>Net Sales Tax Revenues per Capita (constant dollars)</b>	<b>\$14.28</b>	<b>\$12.35</b>	<b>\$11.98</b>	<b>\$12.74</b>	<b>\$14.23</b>

#### Analysis:

Sales Tax is a major revenue category for the Town and is an indicator of the strength of the regional economy. FY 2001 and FY 2002 indicates our reduced share of sales taxes and the slowing economy. FY 2004 reflects a slight increase in school age children as well the improvement of the economy

#### Basis for Distribution:

One percent of the State sales tax collected in Montgomery County is returned by the Commonwealth to Montgomery County. From this 1%, the County receives an automatic 50% and the remaining 50% is allocated, using school age population in the incorporated towns and in the surrounding County as the basis for distribution. There are three localities sharing in the one-half of one percent: Blacksburg, Christiansburg and Montgomery County.

## INDICATOR 3

### Meals Tax Revenues Per Capita

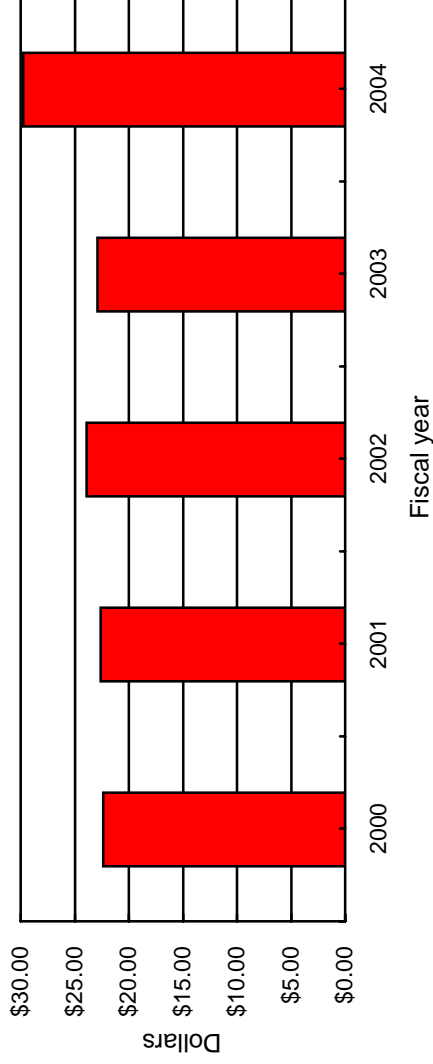
#### Warning Trend:

Decreasing meals tax revenues per capita  
(constant dollars)

#### Formula:

$$\frac{\text{Meals Tax Revenues (constant dollars)}}{\text{Population}}$$

### Meals Tax Revenues per capita



Fiscal year:	2000	2001	2002	2003	2004
Meals Tax Revenues	\$1,488,055	\$1,535,645	\$1,647,795	\$1,630,302	\$2,211,459
Consumer price index	168.1	170.3	171.1	174.3	179.7
Meals Tax Revenues (constant dollars)	\$885,220	\$901,729	\$963,060	\$935,343	\$1,230,639
Current population	39,573	39,933	40,294	40,868	41,358
Meals Tax Revenues (constant dollars)	\$22.37	\$22.58	\$23.90	\$22.89	\$29.76

#### Analysis:

The changes in FY 2001-2004 illustrates the economy and the strenght of Tech home football schedule. FY 2003 reflects Tech home football schedule and the number of weeknight games and early Saturday games as well as the impac of the bypass. The increase in FY 2004 reflects the raise in the tax rate from 4% to 5%.



## INDICATOR 4

### Intergovernmental Revenues

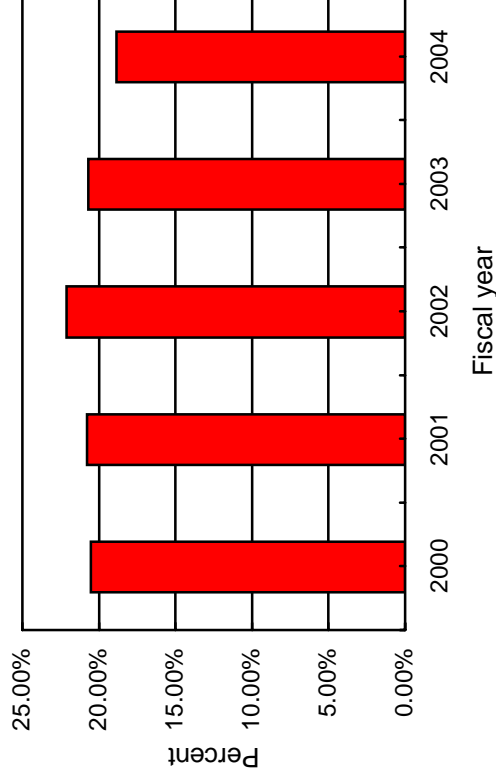
#### Warning Trend:

Decreasing amount of intergovernmental revenues as a percentage of gross operating revenues

#### Formula:

Intergovernmental operating revenues  
Gross operating revenues

### Intergovernmental Revenues



Fiscal year:	2000	2001	2002	2003	2004
Net Intergovernmental Revenues	\$2,857,365	\$3,019,205	\$3,365,800	\$3,285,855	\$3,300,739
Gross Operating Revenues	\$13,927,801	\$14,528,594	\$15,214,022	\$15,869,694	\$17,503,179
Intergovernmental Revenues as a Percent of Gross Operating Revenues	20.52%	20.78%	22.12%	20.71%	18.86%

#### Analysis:

Intergovernmental revenues over the five-year period have remained relatively stable from FY 2000-FY 2004. The increase in FY 2002 is due to the Wong property grant and wireless E911 funding that began in FY 2002. The increases in FY 2003 and FY 2004 is due to increases in Highway Maintenance funds. This area of revenue collection bears close scrutiny given the current economy.

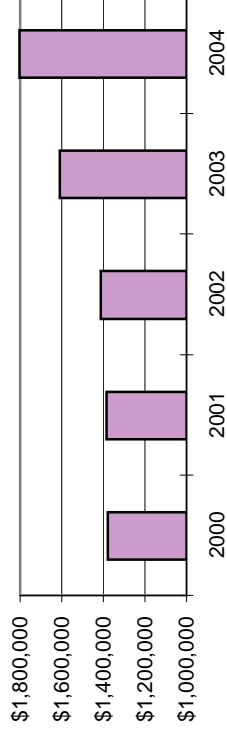
## INDICATOR 5

### Property Tax Revenues

#### Property Tax Revenue

#### Warning Trend:

Decline in property tax revenues (constant dollars)



#### Formula:

Property Tax revenues  
(constant dollars)

Fiscal year:	2000	2001	2002	2003	2004
Property Tax Revenues	\$2,314,992	\$2,357,320	\$2,415,624	\$2,802,989	\$3,238,721
Consumer Price Index	168.1	170.3	171.1	174.3	179.7
CPI Converted to Decimal	1.681	1.703	1.711	1.743	1.797
Net Property Tax Revenues (constant dollars)	\$1,377,152	\$1,384,216	\$1,411,820	\$1,608,141	\$1,802,293

#### Analysis:

Trends indicate that real estate tax revenues are generally stronger than inflation. The leveling in FY 2001 and FY 2002 reflects that the reassessment is only

## INDICATOR 6

### Expenditures per Capita

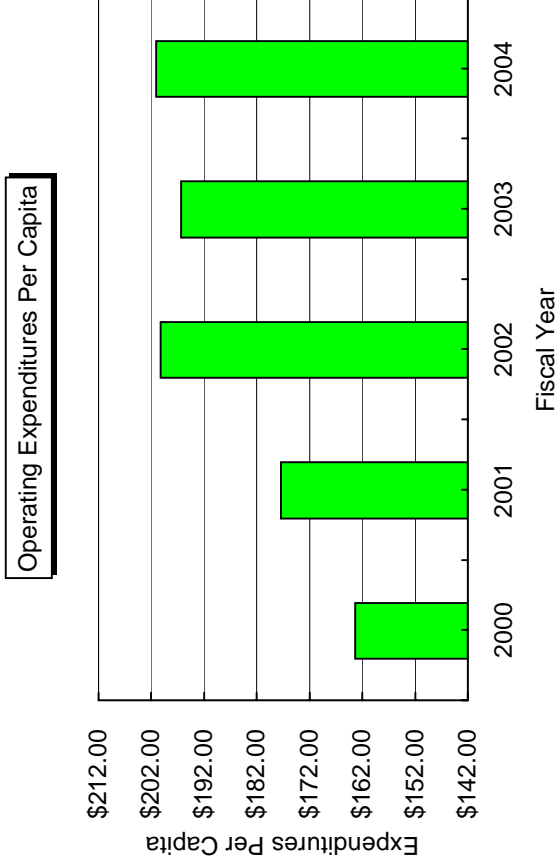
#### Warning Trend:

Increasing net operating expenditures per capita  
(constant dollars)

#### Formula:

Net operating expenditures (constant dollars)

Population



Fiscal year:	2000	2001	2002	2003	2004
Net operating expenditures	\$10,869,826	\$12,067,256	\$13,801,445	\$13,985,927	\$14,940,592
Consumer price index	168.1	170.3	171.1	174.3	179.7
Net operating expenditures (constant dollars)	\$6,466,286	\$7,085,881	\$8,066,303	\$8,024,055	\$8,314,186
Estimated population	39,573	39,933	40,294	40,868	41,358
Net operating expenditures per capita (constant dollars)	\$163.40	\$177.44	\$200.19	\$196.34	\$201.03

#### Analysis:

Per Capita Expenditures per 2003 Comparative Cost Report:  
(No education or Welfare)

Montgomery County  
Roanoke County  
Roanoke City  
Radford City

Blacksburg  
Christiansburg  
Wytheville  
Leesburg  
Herndon  
Vinton  
Pulaski

\$368  
\$702  
\$845  
\$893  
\$1,058  
\$740  
\$630

\$240  
\$547  
\$953  
\$735

## INDICATOR 7

### Employees Per Capita

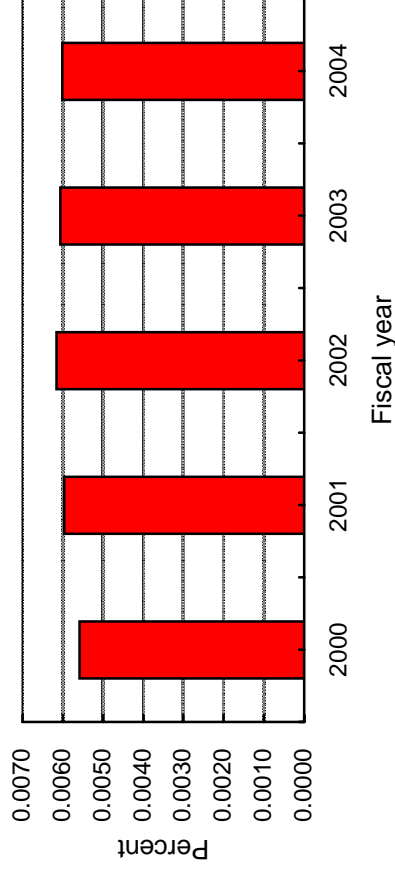
#### Warning Trend:

Increasing number of municipal employees per capita.

#### Formula:

$$\frac{\text{Number of municipal employees}}{\text{Population}}$$

### Number of Full-Time Municipal Employees Per Capita



Fiscal year:	2000	2001	2002	2003	2004
Number of full-time municipal employees	221	238	248	248	249
Current population	39,573	39,933	40,294	40,868	41,358
Number of full-time municipal employees per capita	0.0056	0.0060	0.0062	0.0061	0.0060

#### Analysis:

This indicator compares the number of full-time employees to the population. The number of employees has remained relatively constant over the five-year period with increases over the past four years. This reflects the conversion of part-time employees to full-time status to more efficiently cover service areas. Municipal employees include all full-time personnel contained in the General Fund, Equipment Operations, Golf Course, Waste Management, Blacksburg Transit (not including bus operators) and Water and Sewer Funds.

## INDICATOR 8

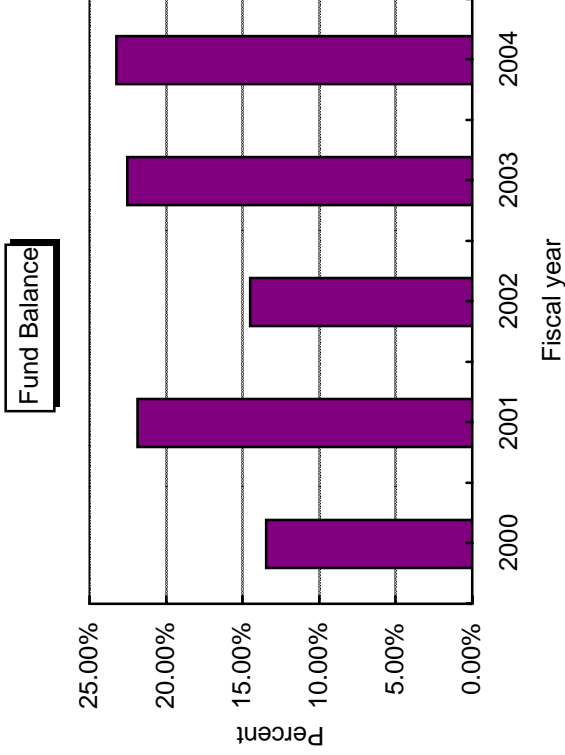
### Fund Balances

#### Warning Trend:

Declining unreserved fund balances as a percentage of net operating expenditures.

#### Formula:

$$\frac{\text{Unreserved fund balances}}{\text{Net operating expenditures}}$$



Fiscal year:		2000	2001	2002	2003	2004
Unreserved General Fund Balance		\$1,463,636	\$2,636,971	\$1,999,469	\$3,154,001	\$3,470,528
Net Operating Expenditures		\$10,869,826	\$12,067,256	\$13,801,445	\$13,985,927	\$14,940,592
Unreserved General Fund Balance as a						
Percentage of Net Operating Expenditures:		13.47%	21.85%	14.49%	22.55%	23.23%

#### Analysis:

Through prudent direction by the Town Council, the trend of a declining fund balance in the late 1980's was reversed in the early 1990's. This indicator reflects the Town's capacity to deal with the unexpected or emergency situations. Town Council policy is to target a minimum undesignated fund balance equal to 10% of net operating expenditures. The declines in fund balance, while still maintaining the Town Council policy, are due to the use of fund balance for one-time capital purchases. The increases are due to the receipt of bond proceeds.

## INDICATOR 9

### Long-term Debt

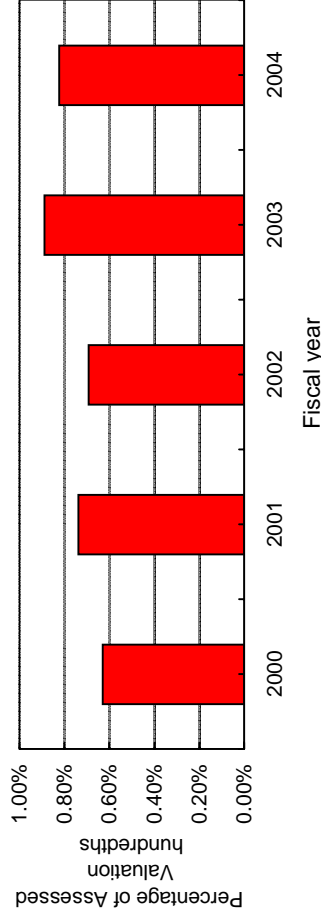
#### Warning Trend:

Increasing net direct bonded long-term debt as a percentage of assessed valuation.

#### Formula:

Net direct bonded long-term debt  
Assessed Valuation

### Long-Term Debt as a Percentage of Assessed Valuation



Fiscal year:	2000	2001	2002	2003	2004
Assessed Valuation	\$1,168,576,566	\$1,193,370,046	\$1,212,050,210	\$1,586,867,200	\$1,621,977,314
Net Direct Long-term General Fund Debt	\$7,368,840	\$8,815,591	\$8,394,612	\$14,102,270	\$13,360,402
Net Direct Long-term Debt as a Percentage of Assessed Valuation	0.63%	0.74%	0.69%	0.89%	0.82%

#### Analysis:

The State mandated legal maximum debt the Town may incur is 10% of assessed valuation. Low debt percentages are an indication of a locality's ability to finance future bond issues coupled with the indicator that measures net debt against net operating revenues. The Town is well within the legal debt maximum of 10% of assessed real estate valuation. The increase in FY 2003 is due to the \$6,300,000 general obligation bond.

## INDICATOR 10

### Capital Outlay

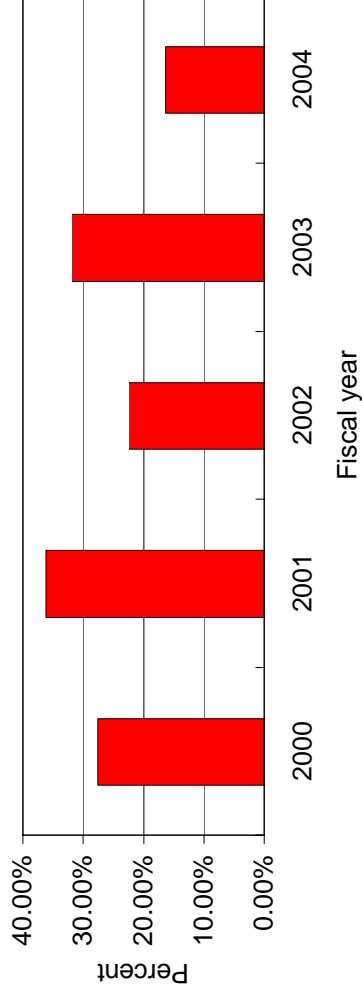
#### Warning Trend:

A three or more year decline in capital outlay as a percentage of net operating expenditures

#### Formula:

$$\frac{\text{Capital outlay}}{\text{Net operating expenditures}}$$

Capital outlay



Fiscal year:	2000	2001	2002	2003	2004
Total capital outlay	\$3,001,079	\$4,371,051	\$3,096,783	\$4,451,197	\$2,438,500
Operating expenditures and transfers	\$10,869,826	\$12,067,256	\$13,801,445	\$13,985,927	\$14,940,592
Capital outlay as a percentage of expenditures	27.61%	36.22%	22.44%	31.83%	16.32%

#### Analysis:

Yearly fluctuations in this indicator are the result of the timing and magnitude of different capital projects. This trend indicates an increase in capital improvement expenditures during the past two years.

## INDICATOR 11

### Water and Sewer Rates

Fiscal Year	Water Rate	Water Fixed	Sewer Rate	Sewer Fixed
2001	\$2.67	\$1.91	\$2.81	\$1.94
2002	\$2.67	\$1.91	\$2.96	\$1.94
2003	\$2.72	\$1.99	\$3.12	\$2.02
2004	\$2.82	\$2.06	\$3.22	\$2.09
2005	\$2.92	\$2.08	\$3.48	\$2.11

#### Analysis:

In FY 1994 the billing structure changed based on a consultant's study from a declining volume rate with a minimum bill system to a fixed billing charge and one volume rate. The rate increase in FY 2005 is consistent with the consultant's recommendation. The sewer rate increase was to fund the debt service on \$7.6 million of sewer debt.



## INDICATOR 12

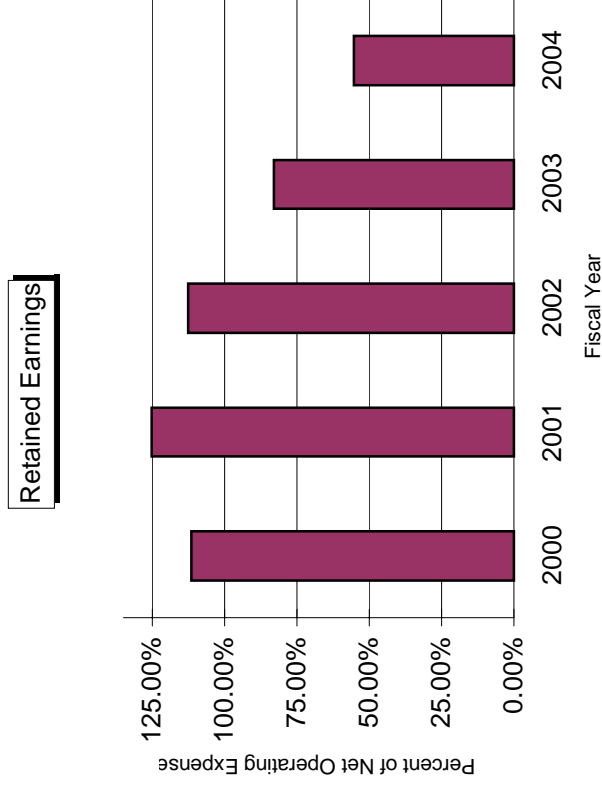
### Retained Earnings - Water and Sewer Fund

#### Warning Trend:

Declining unreserved retained earnings as a percentage of net operating expenses

#### Formula:

$$\frac{\text{Unreserved retained earnings}}{\text{Net operating expenses}}$$



Fiscal year:		2000	2001	2002	2003	2004
Unreserved Water & Sewer Fund Retained Earnings		\$5,693,277	\$6,645,983	\$6,100,515	\$4,720,691	\$3,225,008
Net Operating Expenses		\$5,100,109	\$5,301,454	\$5,415,055	\$5,694,003	\$5,835,549
Unreserved Water & Sewer Retained Earnings as a Percentage of Net Operating Expenses		111.63%	125.36%	112.66%	82.91%	55.26%

#### Analysis:

The decline in retained earnings promoted the comprehensive consultant study on water/sewer rates. The trend has reversed as the higher rates are building retained earnings. The decline in FY 2002 thru FY 2003 is for capital projects and is in line with consultant study to use retained earnings to fund capital projects. The decline in FY 2004 is due to capital projects and larger sewer authority payments due to infiltration.

## INDICATOR 13

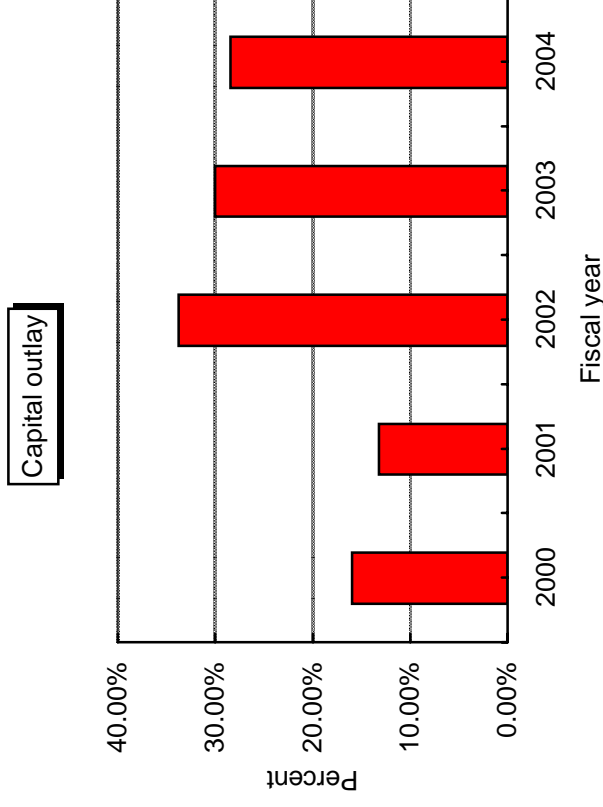
### Capital Outlay - Water & Sewer Fund

#### Warning Trend:

A three or more year decline in capital outlay as a percentage of net operating expenses and transfers.

#### Formula:

$$\frac{\text{Capital outlay}}{\text{Net operating expenditures}}$$



Fiscal year:	2000	2001	2002	2003	2004
Total capital outlay	\$812,737	\$701,389	\$1,829,590	\$1,708,188	\$1,660,814
Operating expenses and transfers	\$5,100,109	\$5,301,454	\$5,415,055	\$5,694,003	\$5,835,549
Capital outlay as a percentage of expenses and transfers	15.94%	13.23%	33.79%	30.00%	28.46%

#### Analysis:

Yearly fluctuations in this indicator are the result of the timing and magnitude of different capital projects.

## INDICATOR 14

### Debt Service - Water And Sewer Fund

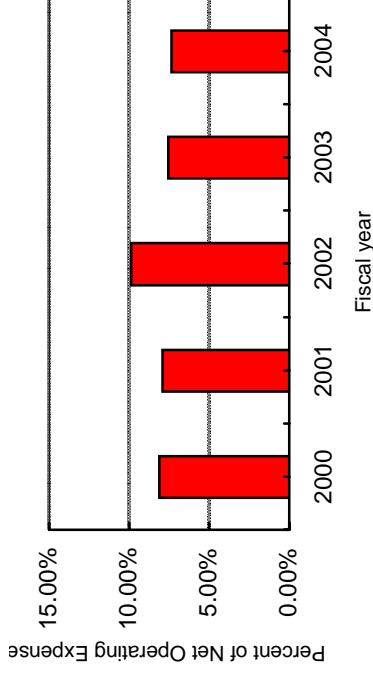
#### Warning Trend:

Increasing debt service as a percentage of net operating expenses.

#### Formula:

$$\frac{\text{Debt Service}}{\text{Net operating Expenses}}$$

Debt Service as a Percent of Net Operating Expense



Fiscal year:	2000	2001	2002	2003	2004
Debt Service	\$414,964	\$419,177	\$535,474	\$430,054	\$429,989
Net Operating Expenses	\$5,100,109	\$5,301,454	\$5,415,055	\$5,694,003	\$5,835,549
Debt Service as a Percentage of Net Operating Expenses	8.14%	7.91%	9.89%	7.55%	7.37%

#### Analysis:

This analysis shows a favorable trend of debt service expenses as a percentage of net operating expenses over the five year period. This trend is caused by stable debt service payments.

# History of Property Tax Revenue for the Last Six Fiscal Years

(TABLE 1)

Fiscal Year	Assessed Value			Current Levy			Total Revenue from Property Taxation <sup>1</sup>		
	Amount	Percent Change	Tax Rate	Amount	Percent Change	Current Collections	Total Collections as a % of Levy <sup>1</sup>	Amount	Percent Change
2004	\$1,621,977,314	4.35%	0.20	\$3,230,340	15.56%	\$3,138,399	100.79%	\$3,255,801	15.44%
2003	\$1,554,359,900 <sup>2</sup>	28.24%	0.20	\$2,795,356	12.71%	\$2,760,442	100.89%	\$2,820,279	16.83%
2002	\$1,212,050,210	0.83%	0.20	\$2,480,104	5.05%	\$2,330,639	97.33%	\$2,413,989	3.42%
2001	\$1,202,054,146	2.86%	0.20	\$2,360,831	2.06%	\$2,283,465	98.9%	\$2,335,850	0.51%
2000	\$1,168,576,566	3.53%	0.20	\$2,313,210	12.93%	\$2,259,483	100.5%	\$2,323,936	12.95%
1999	\$1,128,736,037	26.82%	0.20	\$2,048,277	17.33%	\$2,010,072	100.4%	\$2,057,568	12.95%

<sup>1</sup>Includes current taxes, delinquent taxes, and interest on delinquent taxes.  
<sup>2</sup>Increase due to reassessment of real property effective January 1, 2003.

# History of General Fund Revenue Other Than Property Tax for the Last Six Fiscal Years

(TABLE 2)

Fiscal Year	Intergovernmental Revenues		Other Local Taxes and Licenses		Charges for Rental of Properties and Current Services		All Other Revenue Including Interfund Transfers		Total Revenue	
	Amount		Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
2004	\$3,241,692	(1.36)%	\$7,904,288	8.39%	\$807,426	8.72%	\$2,023,226	(84.03)%	\$13,976,632	(58.26)%
2003	\$3,285,855	(2.38)%	\$7,292,229	3.07%	\$742,678	(3.55)%	\$12,668,310 <sup>3</sup>	167.81%	\$23,989,072	50.48%
2002	\$3,365,800	15.03%	\$7,075,245	1.88%	\$770,018	12.54%	\$4,730,388	(35.73)%	\$15,941,451	(11.02)%
2001	\$2,926,084	2.05%	\$6,944,359	4.60%	\$684,191	14.52%	\$7,360,825 <sup>2</sup>	440.3%	\$17,915,459	15.62%
2000	\$2,867,177	25.12%	\$6,639,309	4.78%	\$597,427	(3.74)%	\$1,362,173	(71.75)%	\$11,466,086	(18.51)%
1999	\$2,291,595	4.44%	\$6,336,231	11.85%	\$620,652	1.76%	\$4,822,063 <sup>1</sup>	232.46%	\$14,070,541	41.85%

- 1 Receipt of bond proceeds in FY 1999 for use in FY 1999 and FY 2000 and receipt of \$1,585,000 bond proceeds for 1990 debt refunding
- 2 Receipt of bond proceeds in FY 2001 for use in FY 2001 and FY 2002 and receipt of \$1,450,000 bond proceeds for 1992 and 1994 advance debt refunding
- 3 Receipt of bond proceeds of \$6,300,000 in FY 2003 for use in FY 2003 and FY 2004 and receipt of \$1,037,794 bond proceeds for 1992 and 1994 advance debt refunding.

# History of General Fund Operating Expenditures/Encumbrances for the Last Six Fiscal Years

(TABLE 3)

Fiscal Year	Public Works Expenditures		Public Safety Expenditures		Parks/Recreation Expenditures		All Other Operating Expenditures <sup>1</sup>		Total Operating Expenditures <sup>2</sup>	
	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
2004	\$3,785,557	10.64%	\$5,080,061	1.46%	\$1,258,929	(2.40)%	\$4,685,690	11.74%	\$14,810,237	6.46%
2003	\$3,421,420	9.07%	\$5,007,124	4.86%	\$1,289,947	(0.28)%	\$4,193,419	(10.32)%	\$13,911,910	0.22%
2002	\$3,136,947	10.36%	\$4,774,885	12.58%	\$1,293,617	7.93%	\$4,675,995	37.44%	\$13,881,444	18.80%
2001	\$2,842,447	6.92%	\$4,241,345	1.38%	\$1,198,615	18.83%	\$3,402,238	13.94%	\$11,684,615	7.83%
2000	\$2,658,369	7.00%	\$4,183,388	9.52%	\$1,008,712	20.60%	\$2,985,913	15.00%	\$10,836,382	11.29%
1999	\$2,484,506	7.28%	\$3,819,836	0.78%	\$836,443	6.84%	\$2,596,146	5.13%	\$9,736,931	4.04%

<sup>1</sup> Includes Legislative, Executive, Finance, Technology, Legal, Judicial and Planning and Engineering.

<sup>2</sup> Does not include expenditures for debt service or capital outlay.

# Six-Year Projection of Property Tax Revenue

(TABLE 4)

Fiscal Year	Projected Assessed Value <sup>1</sup>	Projected Tax Rate Per \$100 of Assessed Value	Projected Tax Levy	Current Collection As Percentage of Levy	Projected Current Tax Revenue	Total Projected Current and Delinquent Tax Revenue
2005	\$1,605,990,000	\$0.20	\$3,211,980	98.50%	\$3,163,800	\$3,203,800
2006	\$1,659,306,500	\$0.20	\$3,318,613	98.50%	\$3,268,834	\$3,308,834
2007 <sup>2</sup>	\$1,740,141,300	\$0.23	\$4,002,325	98.50%	\$3,942,291	\$3,988,291
2008	\$1,865,155,200	\$0.23	\$4,289,857	98.50%	\$4,225,509	\$4,271,509
2009	\$1,953,772,175	\$0.23	\$4,493,676	98.50%	\$4,426,271	\$4,472,271
2010	\$1,969,957,185	\$0.23	\$4,530,901	98.50%	\$4,462,938	\$4,508,938

<sup>1</sup> Assumes an annual growth of 2.0% due to new construction for FY 2006-2007. This is based on the average annual growth rate in population from 1990 to 2000.

<sup>2</sup> Includes a projected 15% increase in assessed values due to reassessment effective January 1, 2007. Reassessment occurs every four years. FY 2007 reflects one-half year impact of reassessment at an estimated 15% increase. FY 2008 reflects the full year impact of reassessment at an estimated 15% increase.

# Six Year Projection of Total General Fund Revenue

(TABLE 5)

Fiscal Year	Property Tax <sup>1</sup>	Intergovernmental Revenues <sup>2</sup>	Other Local Taxes and Licenses <sup>3</sup>	Charges for Rental/Current Services <sup>4</sup>	All Other Revenue <sup>5</sup>	Total Revenue
2005	\$3,203,800	\$5,174,700	\$8,585,700	\$1,766,500	\$909,800	\$19,640,500
2006	\$3,308,834	\$4,136,308	\$8,929,128	\$1,810,663	\$932,544	\$19,117,477
2007	\$3,988,291	\$4,220,365	\$9,286,293	\$1,855,929	\$955,859	\$20,306,737
2008	\$4,271,509	\$4,306,524	\$9,657,745	\$1,902,327	\$979,755	\$21,117,860
2009	\$4,472,271	\$4,394,837	\$10,044,055	\$1,949,885	\$1,004,249	\$21,865,297
2010	\$4,508,938	\$4,485,358	\$10,445,816	\$1,998,633	\$1,029,356	\$22,468,101

<sup>1</sup> Reflects an average annual growth rate of 8.2%.

<sup>2</sup> Reflects an average annual growth rate of 2.5% and one time grants for specific projects.

<sup>3</sup> Reflects an average annual growth rate of 2.5%.

<sup>4</sup> Reflects an average annual growth rate of 2.5%.

<sup>5</sup> Reflects an average annual growth rate of 2.5%.



# Six- Year Projection of General Fund Operating Expenditures

(TABLE 6)

	Public Works Expenditures		Public Safety Expenditures		Parks/Recreation Expenditures		All Other Operating Expenditures <sup>1</sup>	
Fiscal Year	Amount	Percent Change <sup>2</sup>	Amount	Percent Change <sup>2</sup>	Amount	Percent Change	Amount	Total Amount <sup>3</sup>
2005	\$5,319,071	--	\$5,607,202	--	\$1,391,101	--	\$3,009,045	\$15,326,419
2006	\$5,616,561	5.59%	\$5,958,561	6.27%	\$1,468,803	5.59%	\$3,183,535	\$16,227,460
2007	\$5,832,757	3.85%	\$6,206,573	4.16%	\$1,524,461	3.79%	\$3,310,868	\$16,874,659
2008	\$6,039,889	3.55%	\$6,441,975	3.79%	\$1,578,983	3.58%	\$3,431,637	\$17,492,484
2009	\$6,274,237	3.88%	\$6,711,915	4.19%	\$1,639,206	3.81%	\$3,565,572	\$18,190,930
2010	\$6,497,937	3.57%	\$6,967,137	3.80%	\$1,698,039	3.59%	\$3,695,840	\$18,858,953

<sup>1</sup> Includes Legislative, Executive, Finance, Legal, Technology, Judicial and Planning and Engineering

<sup>2</sup> Growth factors used for FY 2007 through FY 2010 average approximately 4%.

<sup>3</sup> Does not include projections for debt service or capital outlay.

# Six-Year Projection of General Fund Obligated Debt Service

(TABLE 7)

Fiscal Year	FY1994 Bond Sale	Bond Issuance Costs	FY1996 Bond Sale	FY1998 Bond Sale	Wong Property/ Brown Farm Loan/Energy Performance Lease	FY2001 Bond Sale	FY2002 Bond Sale	2003 Refunding Bond	FY2004/05 Bond Sale (2.0 m) <sup>1</sup>	FY2006/07 Bond Sale (3.0 m) <sup>1</sup>	FY2008/09 Bond Sale (3.0 m) <sup>1</sup>	Total Debt Service
2005	\$46,150	\$25,000	\$170,681	\$355,495	\$168,040	\$201,882	\$420,268	\$54,435	\$30,565	--	--	\$1,472,516
2006	--	--	\$169,609	\$344,710	\$168,176	\$203,353	\$417,868	\$127,373	\$163,969	--	--	\$1,595,058
2007	--	\$50,000	\$168,458	\$172,775	\$169,220	\$199,610	\$582,642	\$124,311	\$142,491	\$90,000	--	\$1,699,507
2008	--	--	\$167,179	\$172,630	\$170,325	\$262,628	\$562,292	\$75,761	\$142,365	\$325,500	--	\$1,878,680
2009	--	\$50,000	\$169,402	\$172,258	\$171,477	\$257,680	\$556,354	\$77,382	\$142,139	\$316,500	--	\$1,913,192
2010	--	--	\$167,509	\$171,686	\$93,504	\$250,336	\$534,818	\$75,967	\$141,812	\$307,500	\$90,000	\$1,833,132

<sup>1</sup> Future bond sales reflect a projected 6% interest rate for 20 years.

# General Fund Six-Year Projection of New Capital Financing Potential

(TABLE 8)

Fiscal Year						
	2005	2006	2007	2008	2009	2010
<b>General Fund Item</b>						
Projected Operating Revenue	\$19,640,500	\$19,117,477	\$20,306,737	\$21,117,860	\$21,865,297	\$22,468,101
New Bond Issue	\$1,000,000	\$1,000,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000
Use of Fund Balance	--	\$1,283,400	\$116,600	--	--	--
Less Projected Operating Expenditures	\$15,326,419	\$16,227,460	\$16,874,659	\$17,492,484	\$18,190,930	\$18,858,953
Less Projected Reoccurring Capital Expenditures	\$1,443,117	\$1,718,959	\$1,732,571	\$1,746,697	\$1,761,176	\$1,776,016
Less Debt Service	\$1,472,516	\$1,595,058	\$1,699,507	\$1,878,680	\$1,913,192	\$1,833,132
Net Capital Financing Potential	\$2,398,448	\$1,859,400	\$1,616,600	\$1,500,000	\$1,500,000	\$1,500,000
Debt Service as % of Operating Expenditure	9.61%	9.83%	10.07%	10.74%	10.52%	9.72%

# History of Water and Sewer Fund Revenue for the Last Six Fiscal Years

(TABLE 9)

Fiscal Year Ending	Water Service Charges		Sewer Service Charges		Availability Fees, Connections, Line Extensions, & Meter Installations		Interest & Other Miscellaneous Revenues		Total Revenue	
	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
2004	\$2,951,837	(0.48)%	\$3,059,253	(1.63)%	\$312,325	(6.95)%	\$259,098	(63.30)%	\$6,582,513	(3.79)%
2003	\$2,966,014	0.85%	\$3,109,100	3.55%	\$334,017	29.95%	\$423,109	(40.40)%	\$6,832,240	(1.13)%
2002	\$2,941,090	(4.17)%	\$3,002,423	1.27%	\$257,032	(8.83)%	\$709,965	(4.65)%	\$6,910,510	(2.12)%
2001	\$3,068,934	3.37%	\$2,964,840	6.96%	\$281,917	0.09%	\$744,592	(5.95)%	\$7,060,283	3.61%
2000	\$2,968,863	0.23%	\$2,771,838	2.04%	\$281,651	(56.46)%	\$791,669	1.09%	\$6,814,021	(4.32)%
1999	\$2,962,193	(2.86)%	\$2,716,328	7.98%	\$646,852	156.67%	\$783,157	(5.68)%	\$7,108,530	7.02%

# History of Water and Sewer Fund Operating Expenditures for the Last Six Fiscal Years

(TABLE 10)

Fiscal Year Ending	Water Division Other Operating			Payment to Water Authority			Sewer Division Other Operating			Payment to Sewer Authority			All Other Operating <sup>1</sup>			Total Operating Expenditures <sup>2</sup>		
	Amount	Percent Change		Amount	Percent Change		Amount	Percent Change		Amount	Percent Change		Amount	Percent Change		Amount	Percent Change	
2004	\$375,227	9.93%		\$1,450,997	0.53%		\$341,610	3.03%		\$2,173,645	0.40%		\$1,494,401	8.60%		\$5,835,880	3.16%	
2003	\$341,346	7.48%		\$1,443,342	1.90%		\$331,569	(4.42)%		\$2,164,970	35.23%		\$1,376,000	16.92%		\$5,657,227	16.44%	
2002	\$317,581	(1.33)%		\$1,416,431	2.01%		\$346,898	4.77%		\$1,600,930	(9.21)%		\$1,176,848	24.95%		\$4,858,688	2.36%	
2001	\$321,866	(5.16)%		\$1,388,479	1.96%		\$331,081	(0.87)%		\$1,763,278	6.10%		\$941,891	8.55%		\$4,746,595	3.99%	
2000	\$339,368	12.52%		\$1,361,792	(1.30)%		\$333,994	13.17%		\$1,661,789	1.79%		\$867,680	9.94%		\$4,564,623	1.78%	
1999	\$387,957	15.93%		\$1,379,715	5.57%		\$295,133	11.05%		\$1,632,583	(10.34)%		\$789,251	(0.48)%		\$4,484,639	(0.08)%	

<sup>1</sup> Includes Administration, Utility Billing and Pump Station Maintenance.

<sup>2</sup> Does not include expenditures for debt service or capital outlay.

## Six-Year Projection of

(TABLE 11)

	Water Segment				Sewer Segment					
Fiscal Year Ending	Service Charges	Fixed Charges	Other <sup>1</sup>	Total Water	Service Charges	Fixed Charges	Other <sup>2</sup>	Total Sewer	Other Miscellaneous Revenue <sup>3</sup>	Fund Total
2005	\$3,089,300	\$186,400	\$167,500	\$3,443,200	\$3,321,500	\$171,400	\$22,000	\$3,514,900	\$210,300	\$7,168,400
2006	\$3,126,372	\$191,060	\$169,510	\$3,486,942	\$3,361,358	\$175,685	\$22,264	\$3,559,307	\$288,695	\$7,334,944
2007	\$3,163,888	\$195,837	\$171,544	\$3,531,269	\$3,401,694	\$180,077	\$22,531	\$3,604,302	\$291,582	\$7,427,153
2008	\$3,201,855	\$200,732	\$173,603	\$3,576,190	\$3,442,515	\$184,579	\$22,801	\$3,649,895	\$294,498	\$7,520,583
2009	\$3,240,277	\$205,751	\$175,686	\$3,621,714	\$3,483,825	\$189,194	\$23,074	\$3,696,093	\$297,443	\$7,615,250
2010	\$3,279,160	\$210,894	\$177,795	\$3,667,849	\$3,525,631	\$193,923	\$23,352	\$3,742,906	\$300,417	\$7,711,172

<sup>1</sup>Other Revenue includes Connection Charges, Meter Installations, Line Extensions and the Sale of Outside Watering Meters.

<sup>2</sup>Other Revenue includes Connection Charges and Line Extensions.

<sup>3</sup>Other Miscellaneous Revenue includes Service Transfer Fees, Interest, Collection and Penalties related to Delinquent Bills, and Miscellaneous Revenue.

# Six-Year Projection of Water and Sewer Operating Expenditures

(TABLE 12)

Fiscal Year	Payments to Water & Sanitation Authorities <sup>1</sup>	Operating Expenditures	Equipment Replacement	Total Operating Expenditures <sup>2</sup>	Percent Change
2005	\$3,708,754	\$2,316,918	\$112,498	\$6,138,170	--
2006	\$3,753,259	\$2,419,538	\$129,605	\$6,302,402	2.68%
2007	\$3,798,298	\$2,502,677	\$129,605	\$6,430,580	2.03%
2008	\$3,843,878	\$2,589,018	\$129,605	\$6,562,501	2.05%
2009	\$3,890,004	\$2,678,698	\$129,605	\$6,698,307	2.07%
2010	\$3,936,685	\$2,771,863	\$129,605	\$6,838,153	2.09%

<sup>1</sup> Based on wholesale water rates of \$1.22 per 1,000 gallons purchased for FY 2005-2010. Based on wholesale sewer rates of \$1.26 per 1,000 gallons purchased for FY2005-2010 and an annual growth of 1.2%.

<sup>2</sup> Does not include appropriations for debt service or capital outlay.

Six-Year Projection of  
**Water and Sewer Fund**  
**Obligated Debt Service Expenditures**

(TABLE 13)

Fiscal Year	1994 Bond Sale (\$1,100,000)	1996 Bond Sale (\$700,000)	FY 1998 Bond Sale (\$800,000)	FY 2001 Bond Sale (\$2,000,000)	2003 Refunding	2004 Bond Sale (\$1,800,000) <sup>1</sup>	2007 Bond Sale (\$1,300,000) <sup>1</sup>	Issue Cost	AMR Lease	Total Debt Service	Net Revenue Coverage of Debt Service
2005	\$51,290	\$56,893	\$76,968	\$191,886	\$39,906	--	--	--	\$224,642	\$641,585	1.89
2006	--	\$56,537	\$74,632	\$188,426	\$93,376	\$147,572	--	--	224,642	\$785,185	1.54
2007	--	\$56,153	\$37,407	\$189,964	\$91,131	\$128,241	\$39,000	--	\$112,321	\$654,217	1.82
2008	--	\$55,726	\$37,376	\$214,480	\$55,539	\$128,128	\$141,050	--	--	\$632,299	1.94
2009	--	\$56,467	\$37,296	\$212,490	\$56,728	\$127,925	\$137,150	--	--	\$628,056	1.85
2010	--	\$55,836	\$37,171	\$207,430	\$55,691	\$127,631	\$133,250	--	--	\$617,009	1.91

<sup>1</sup>Future bond sales reflect a projected 6% interest rate for 20 years.



# Water & Sewer Fund Six-Year Projection of New Capital Financing Potential

(TABLE 14)

Water & Sewer Fund Item	2005	2006	2007	2008	2009	2010
Projected Operating Revenue	\$7,168,400	\$7,334,944	\$7,427,153	\$7,520,583	\$7,615,250	\$7,711,172
Availability Fees	\$183,500	\$176,200	\$196,200	\$247,200	\$245,200	\$305,550
New Bond Issue	--	\$1,800,000	\$1,300,000	--	--	--
Use of Cash Reserves	--	\$1,000,000	\$500,000	\$275,779	\$191,244	\$500,000
Less Projected Operating Expenditures	\$6,138,170	\$6,302,402	\$6,430,580	\$6,562,501	\$6,698,307	\$6,838,153
Less Debt Service	\$641,585	\$785,185	\$654,217	\$632,299	\$628,056	\$617,009
Net Capital Financing Potential	\$572,145	\$3,223,557	\$2,338,556	\$848,762	\$725,334	\$1,061,560

# Six-Year Projection of Transit Operating Revenues

(TABLE 15)

Fiscal Year Ending	Operating Grants	Tech Contract	Other <sup>1</sup>	Fund Total
2005	\$1,674,983	\$1,698,952	\$106,002	\$3,479,937
2006	\$1,674,983	\$1,794,814	\$215,343	\$3,685,140
2007	\$1,716,858	\$1,839,684	\$220,727	\$3,777,269
2008	\$1,759,779	\$1,885,676	\$226,245	\$3,871,700
2009	\$1,803,773	\$1,932,818	\$231,902	\$3,968,493
2010	\$1,848,868	\$1,981,139	\$237,698	\$4,067,705

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<sup>1</sup>Other Revenue includes fare, passes, interest income and miscellaneous revenues.

**Transit Fund**  
**Six-Year Projection of**  
**New Capital Financing Potential**

(TABLE 16)

Transit Fund Item	2005	2006	2007	2008	2009	2010
Projected Operating Revenue	\$3,479,937	\$3,685,140	\$3,777,269	\$3,871,700	\$3,968,493	\$4,067,705
Projected Capital Grants	\$2,150,120	\$12,225,067	\$4,639,766	\$2,822,399	\$2,907,299	\$3,025,989
Return Use of Cash Reserves	\$114,517	\$3,056	\$1,184	(\$734)	(\$2,701)	(\$4,717)
Less Projected Operating Expenditures	\$3,577,574	\$3,864,966	\$3,959,642	\$4,056,685	\$4,156,154	\$4,258,109
Net Capital Financing Potential	\$2,167,000	\$12,048,297	\$4,458,577	\$2,636,680	\$2,716,937	\$2,830,868

## CAPITAL IMPROVEMENT PROGRAM

General Fund	Prior Allocation	Submitted 2005/06	Recommended 2005/06	Submitted 2006/07	Recommended 2006/07	Submitted 2007/08	Recommended 2007/08	Submitted 2008/09	Recommended 2008/09	Submitted 2009/10	Recommended 2009/10
<b>Finance Department:</b>											
AS400 Hardware Contingency	100,000	25,000		25,000		25,000		25,000		25,000	
AS400 Peripheral Equipment Replacement		25,000	25,000	25,000		25,000		25,000		25,000	
AS400 Software Development Fund	35,000	25,000		25,000		25,000		25,000		25,000	
Disaster Recovery Plan		54,000		54,000		54,000		54,000		54,000	
Subtotal	160,000	129,000	25,000	129,000	-	129,000	-	129,000	-	129,000	-
<b>Fire Department:</b>											
Downtown Fire Station Architectural Study and Renovations		20,000	20,000					200,000			
South End Fire Station	215,000	577,000	577,000		-	-	-	200,000	-	-	-
Subtotal		597,000	597,000		-	-	-	200,000	-	-	-
<b>Rescue:</b>											
Town Radio Viter System		22,000		6,000							
Mobile Repeater System		11,400									
Replacement of Progress Street Station		50,000		400,000		340,000		2,910,000			
Opticom Lights		35,000	35,000	70,000		40,000					
Subtotal		118,400	35,000	476,000	-	380,000	-	2,970,000	-	-	-
<b>Parks and Recreation Department:</b>											
Heritage Community Park and National Area Development	50,000	50,000	50,000	50,000		50,000		50,000		50,000	
Contruction of Classroom/Meeting Room				180,000		392,560		600,000			78,000
Outdoor Pool Design and Construction		65,076									
Resurfacing Pool Deck and Locker room Floor		145,000	145,000								
Skate Park Design and Construction						50,000		50,000		50,000	
Playground and Park Equipment Depredation Fund						15,000		15,000		15,000	
Dog Park		35,000									35,000
New Fitness Center		175,000				80,000					
New Wooden Gym Floor				100,000		40,000		100,000			100,000
Greenways				50,000							100,000
Restroom Replacement in Parks	30,000	50,000	50,000	50,000							
Subtotal	80,000	520,076	245,000	475,000	180,000	547,560	1,220,000	215,000	600,000	115,000	313,000
<b>Planning and Engineering:</b>											
GIS (Virginia Base Mapping Program Aerial update)		35,000									
King Street Extension		113,164									
Information Integration, Storage, and Dissemination		50,000	50,000								
GIS (Hardware replacement)	73,757	10,000	10,000								
Stormwater Projects		257,499									
Stormwater Cost Shares		15,000	15,000								
Council Land Use Study		200,000	80,000								
Toms Creek Riparian Corridor Assessment		72,800									
Major Street Improvements	20,166,000	100,000	100,000	100,000		100,000		100,000		100,000	
Yellow Sulfur Road Street Lights		15,000									
Neighborhood Enhancement Matching Grants		22,000	11,000	22,000		22,000		22,000		22,000	
Neighborhood Traffic Control Program	77,121	25,000	25,000	25,000		25,000		25,000		25,000	
Environmental Management System: Pollution Prevention: Storm Water Management		60,000	25,000	40,000		80,000					
Stormwater Management Ponds		250,000		150,000		121,000		350,000			
Traffic Signal and South Main Median Revisions		204,403									
Subtotal	20,338,878	1,429,866	291,000	337,000	140,000	348,000	100,000	497,000	100,000	147,000	122,000
<b>Police Department:</b>											
Police Communication System		920,845	30,000	30,000	30,000	30,000		30,000		30,000	
Subtotal		920,845	30,000	30,000	30,000	30,000	-	30,000	-	30,000	-
<b>Public Works Department:</b>											
Used Vehicle and Equipment Replacements		65,000		50,000		65,000		20,000			
EMS/P2 - Environmentally Preferable Purchasing Initiatives		15,000		15,000		15,000		15,000		15,000	
EMS/P2 - Hazardous Chemical Safety Initiatives		16,300									
New Equipment Purchase - Parks & Landscape Tractor		35,000									
Rental Property Maintenance		15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Traffic Signal Cabinet Upgrades		18,000	18,000	18,000		18,000		21,000			
Traffic Signal Emergency Power Supply		42,000		28,000		28,000					
Traffic Signal Head Replacement		19,560	20,000								
Transfers to Building Systems Depreciation Fund		45,834	45,834	45,834	45,834	45,834	45,834	45,834	45,834	45,834	45,834
Transfers to Equipment Depreciation Fund		603,694	603,694	603,694	603,694	603,694	603,694	603,694	603,694	603,694	603,694
Curb, Gutter and Sidewalk Replacement		22,208	22,500	41,325		36,157		34,451		43,822	45,000
Parks & Landscape Division Storage Building Addition						32,800					
Storm Water Improvements - HUD Project		21,000									
Streets Division Storage Building Addition						28,000					
Town Garage Renovations		45,000									
Major Facilities Repair		44,000	16,000	69,000		38,000					
Traffic Signal Replacement		120,000		120,000	120,000	120,000				120,000	
Municipal Building Electrical Service Upgrade		60,000	60,000	40,000							
Traffic Signal Equipment Replacement		27,000	27,000	16,500		16,500		16,500		16,500	
Roof Replacement		16,000	16,000								
Subtotal	-	1,230,596	844,028	1,062,353	784,528	1,061,985	664,528	771,479	706,528	760,850	829,528
<b>Technology Department:</b>											
Website Upgrade		50,000	50,000								
Email Upgrade		23,000	23,000								
Network Contingency	48,500	15,000		15,000		15,000		15,000		15,000	
Technology Replacement		101,400	101,400	105,000		86,600		115,000		120,000	
Fiber Optic Network Expansion/Conduit for Town of Blacksburg	20,000	40,000	74,500	20,000							
4 Vehicle Mobile Data Computers and Software for Town Rescue Vehicles		46,000	46,000	4,000							
Subtotal	422,000	275,400	294,900	144,000	86,600	125,000	-	130,000	-	135,000	-
<b>Town Manager:</b>											
North Main Street Betterment Costs				33,000				500,000			
Downtown Improvements: Roanoke Street Improvements	423,389			438,306				50,000			
Alexander Black House Renovations								438,305			

## CAPITAL IMPROVEMENT PROGRAM

	Prior Allocation	Submitted 2005/06	Recommended 2005/06	Submitted 2006/07	Recommended 2006/07	Submitted 2007/08	Recommended 2007/08	Submitted 2008/09	Recommended 2008/09	Submitted 2009/10	Recommended 2009/10
Bennett House Renovation		50,000	100,000								
Old Fellow Hall Restoration		250,000									
Downtown Improvements: South Main Street Streetscape		72,000	250,000	531,500	350,000						
Downtown Improvements: College Avenue Promenade						1,060,000	500,000	500,000	180,000		
Downtown Improvements: Diaper Road Improvement Grants						375,000				522,000	800,000
Downtown Improvements: Façade Improvement Grants		25,000		25,000		25,000				25,000	
Downtown Improvements: Farmers Market Improvements				15,000		104,200					100,000
WTOB Digital Upgrade		63,400	53,600	107,500	50,000	50,000					
Subtotal	808,789	660,120	739,000	1,867,306	1,060,000	2,042,505	180,000	828,000	758,000	547,000	900,000
<b>Total General Fund Projects</b>	<b>22,730,512</b>	<b>4,990,458</b>	<b>3,100,928</b>	<b>4,520,659</b>	<b>2,281,128</b>	<b>4,864,050</b>	<b>2,164,528</b>	<b>5,770,479</b>	<b>2,164,528</b>	<b>1,863,850</b>	<b>2,164,528</b>
<b>Water/Sewer Fund</b>											
Finance Department:											
Radio/Read Vehicle Transceiver Unit (NXU) Replacement/Upgrade	14,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000
AS400 Software Development Fund	25,000										
Disaster Recovery Plan	18,000										
Water Maintenance and Replacement	203,526	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000
Subtotal		28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000
<b>Planning and Engineering:</b>											
Water System Upgrades		135,410	100,000	149,585							
Water Tank Replacement		1,811,250	1,811,250								
Allegany Tank Inspection		20,000			20,000						
Coal Bank Ridge Water Storage Facility											
GIS (Hardware replacement)		10,000	10,000								
Sewer System Upgrade		512,148	435,527	160,000	160,000	62,322	242,322	62,322	62,322	62,322	62,322
Water Age Improvements		305,030	305,030								
Water-line Extension		10,000	10,000	733,159	555,043						
Water Storage Facility		95,000	95,000	1,298,279	1,300,000						
Subtotal	-	2,888,838	2,766,807	2,341,023	2,035,043	147,877	477,462	299,295	299,295	941,970	789,246
<b>Public Works Department:</b>											
EMS/P2 Program - Sanitary Sewer Inflow & Infiltration Abatement		286,000	250,000	216,000	216,000	216,000	216,000	216,000	216,000	216,000	216,000
Transfers to Equipment Depreciation Fund		129,605	129,605	129,605	129,605	129,605	129,605	129,605	129,605	129,605	129,605
Truck Mounted Sewer Cleaner		115,000	115,000								
Utility Division Building Addition		42,600									
Water Main Replacement		73,750	73,750	59,513	59,513	77,300	77,300	55,450	55,450	28,314	28,314
Subtotal	-	626,955	568,355	405,118	405,118	422,905	472,905	401,055	401,055	373,919	373,919
<b>Total Water/Sewer Fund Projects</b>	<b>203,526</b>	<b>3,553,793</b>	<b>3,363,162</b>	<b>2,774,141</b>	<b>2,468,161</b>	<b>598,782</b>	<b>978,367</b>	<b>728,350</b>	<b>728,350</b>	<b>1,343,889</b>	<b>1,191,165</b>
<b>Golf/Swimming Pool Fund</b>											
Transfers to Equipment Depreciation Fund		10,024	10,024	10,024	10,024	10,024	10,024	10,024	10,024	10,024	10,024
<b>Total Golf/Swimming Pool Fund Projects</b>	<b>-</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>	<b>10,024</b>
<b>Transit Fund</b>											
Blacksburg Transit Multimodal Facility	650,000	10,000,000	10,000,000								
Staff Vehicle Replacement	46,920			59,400	59,400	111,100	111,100			34,200	34,200
BT Access Body on Chassis (BOC) Van Expansion		212,000	212,000	216,000	216,000	110,000	110,000			114,000	114,000
BT Access Body on Chassis (BOC) Van Replacement		212,000	212,000	108,000	108,000			336,000	336,000	228,000	228,000
Completion of AVL Program	898,483										
Fixed Route Bus Expansion	836,400	879,800	879,800	885,600	885,600	902,000	902,000	918,400	918,400	934,800	934,800
Fixed Route Bus Replacement	20,000	42,400	42,400	2,448,400	2,448,400	1,338,000	1,338,000	1,285,600	1,285,600	1,331,000	1,331,000
Radio Replacement and Expansion Program	3,200	1,697	1,697	3,457	3,457	880	880	897	897	3,648	3,648
Shelter, Amenities, and Bike Rack Replacement and Expansion Program	24,125	17,900	17,900	18,500	18,500	10,200	10,200	11,200	11,200	17,500	17,500
Simulator Acquisition and on-going Maintenance Costs				265,000	265,000	15,000	15,000	15,000	15,000	15,000	15,000
Staff Vehicle Expansion				134,240	134,240	27,500	27,500	25,760	25,760	26,500	26,500
Technology Replacement and Expansion Program	29,580										
Transit Capital Assets Program	23,000	42,500	42,500	19,980	19,980	22,000	22,000	24,080	24,080	26,220	26,220
Transit Facility Maintenance Cost Program		50,000	40,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Transit Facility Expansion and Furnishings		3,500,000	600,000	200,000	200,000						
<b>Total Transit Fund Projects</b>	<b>6,523,608</b>	<b>12,048,297</b>	<b>12,048,297</b>	<b>4,458,577</b>	<b>4,458,577</b>	<b>2,636,680</b>	<b>2,636,680</b>	<b>2,716,937</b>	<b>2,716,937</b>	<b>2,830,868</b>	<b>2,830,868</b>
<b>Equipment Replacement Fund</b>											
Major Equipment Purchase		788,000	788,000	504,000	504,000	814,000	814,000	834,000	834,000	777,000	777,000
<b>Total Equipment Replacement Fund Projects</b>		<b>788,000</b>	<b>788,000</b>	<b>504,000</b>	<b>504,000</b>	<b>814,000</b>	<b>814,000</b>	<b>834,000</b>	<b>834,000</b>	<b>777,000</b>	<b>777,000</b>
<b>Major Building System Replacement Fund</b>											
Major Building System Replacement		-	-	38,000	38,000	7,500	75,000	61,000	61,000	900	900
<b>Total Major Building System Replacement Fund Projects</b>				<b>38,000</b>	<b>38,000</b>	<b>7,500</b>	<b>75,000</b>	<b>61,000</b>	<b>61,000</b>	<b>900</b>	<b>900</b>
<b>Solid Waste/Recycling Fund</b>											
Wheeled Recycling Carts		46,040									
Transfers to Equipment Depreciation Fund			21,840	21,840	21,840	21,840	21,840	21,840	21,840	21,840	21,840
<b>Total Solid Waste/Recycling Fund Projects</b>		<b>46,040</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>	<b>21,840</b>
<b>Grand Total</b>	<b>29,457,646</b>	<b>21,458,452</b>	<b>19,332,251</b>	<b>12,327,241</b>	<b>9,781,730</b>	<b>8,752,876</b>	<b>6,700,439</b>	<b>10,142,630</b>	<b>6,536,679</b>	<b>6,848,371</b>	<b>6,996,325</b>

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Finance

**Project Title:** AS400 Peripheral Equipment Replacement

**Project Location:** Finance

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**Project Status:** Continuing

**Description and Justification:**

This project establishes funding for replacement of the peripheral equipment, such as the line printer, laser MICR printers, pressure sealer, cash receipts printers, cash receipt scanners, automated remittance system and console display. This project follows the same logic as the Equipment Replacement Fund for vehicles. This will allow funding for replacement as needed rather than larger expenditures on an urgent basis. The average life of this type of equipment is four years.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	Continuing	\$25,000	\$25,000					\$25,000	continuing
<b>Total</b>	Continuing	\$25,000	\$25,000					\$25,000	continuing

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Fire Department

**Project Title:** Downtown Fire Station Architectural Study & Renovations

**Project Location:** 200 Progress Street

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**Project Status:** New

**Description and Justification:**

A comprehensive architectural study of the existing Progress Street Fire/Rescue station. The study will assess the structural condition of the existing structure and make recommendations for improvements. The study will also assess future space needs, develop a plan for the future of the facility and fund renovations to the building.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$20,000		\$20,000					\$20,000	
<b>Total</b>	<b>\$20,000</b>		<b>\$20,000</b>					<b>\$20,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Fire Department

**Project Title:** South End Fire Station

**Project Location:** South End of Blacksburg

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**Project Status:** New

**Description and Justification:**

To design and construct a new Fire Station in the South End of Blacksburg to begin working toward the goal of three fire stations strategically located in Blacksburg to provide effective emergency services to existing town and county residents and to accommodate future growth.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Mont Co. VA Tech	\$215,000	\$215,000						\$215,000	
General Fund	\$577,000		\$577,000					\$577,000	
<b>Total</b>	<b>\$792,000</b>	<b>\$215,000</b>	<b>\$577,000</b>					<b>\$792,000</b>	



# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Rescue

**Project Title:** Opticom Lights

**Project Location:** Blacksburg Area

**Project Status:** New

**Description and Justification:**

Opticom Lights will speed up response times, ensuring a higher quality of service, plus enhancing the safety of the citizens of Blacksburg and also the safety of the fire and rescue volunteer personnel.

1<sup>st</sup> Year: UCB and Prices Fork Rd. – 2 way upgrade to 4 way.  
 Prices Fork Rd & West Campus – 2 way upgrade to 4 way  
 Prices Fork Rd & Toms Creek Rd – 2 way upgrade to 4 way  
 Prices Fork Rd & Main St. – 2 way upgrade to 3 way.  
 S. Main St. – Ellett – 1 way upgrade to 4 way

2<sup>nd</sup> Year: S. Main St. – Washington – 4 way  
 N. Main St. & Progress St. – 4 way  
 N. Main St. & Patrick Henry Dr. – 4 way  
 S. Main St. & Airport Rd. – 3 way  
 S. Main St. & Country Club Dr. – 4 way  
 S. Main St. & Gables Shopping Center – 2 way

3<sup>rd</sup> Year: Main St. & Turner St. – upgrade  
 Main St. & College Ave. – 4 way  
 Main St. & Roanoke St. – 4 way

4<sup>th</sup> Year: Turner St. & Progress St. – upgrade with light upcom  
 Giles Rd. & Progress St. –  
 Toms Creek Rd. & Patrick Henry Dr. – 4 way  
 Progress St. & Patrick Henry Dr. – 4 way  
 Washington Ave. & Draper Rd. – 4 way

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	\$205,000		\$35,000					\$35,000	\$170,000
<b>Total</b>	<b>\$205,000</b>		<b>\$35,000</b>					<b>\$35,000</b>	<b>\$170,000</b>

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Parks and Recreation

**Project Title:** Heritage Community Park and National Area Development

**Project Location:** Heritage Community Park and National Area

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**Project Status:** In Progress

**Description and Justification:**

This project will assist with the development of the Master Plan such as trail development, new shelters, signage and construction documents for the Nature Center.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$6,500,000	\$50,000	\$50,000					\$50,000	\$6,400,000
<b>Total</b>	\$6,500,000	\$50,000	\$50,000					\$50,000	\$6,400,000

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Parks and Recreation

**Project Title:** Outdoor Pool Design and Construction

**Project Location:** TBA

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**Project Status:** New

**Description and Justification:**

This project is to design and construct the outdoor pool complex. This would allow us to update the feasibility and concept plans, develop them into construction documents, and begin construction of the complex. Parks and Recreation Department is currently looking towards a partnership with a private source as well as the County.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$2,078,000			\$180,000	\$1,220,000	\$600,000	\$78,000	\$2,078,000	
<b>Total</b>	<b>\$2,078,000</b>			<b>\$180,000</b>	<b>\$1,220,000</b>	<b>\$600,000</b>	<b>\$78,000</b>	<b>\$2,078,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Parks and Recreation

**Project Title:** Skate Park Design and Construction

**Project Location:** Municipal Park

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**Project Status:** New

### **Description and Justification:**

This project would design a new skate park to replace the old wooden structures we currently have in the park. Since skate boarding is banned from the Downtown area, the Parks and Recreation Department has facilitated a place to skate. The skate park is in dire need of repair because its wooden structure has decayed over time. A new concrete bowl and metal modular structures will increase the safety of the skaters and attract new users.

\* An entry fee could be assigned to the park for daily, monthly or yearly entry.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	\$145,000		\$145,000					\$145,000	
<b>Total</b>	<b>\$145,000</b>		<b>\$145,000</b>					<b>\$145,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Parks and Recreation

**Project Title:** Dog Park

**Project Location:** Municipal Park

**Project Status:** New

**Description and Justification:**

The Town of Blacksburg has a leash law, but still many dog owners let their dogs run loose in the parks. Creation of a dog park would allow owners to socialize and exercise their dogs in a responsible manner. Currently many owners are running their dogs on athletic fields; this causes problems when they don't clean up after their pets, or when the dogs chase children. This new park will be self-policed and have amenities that would be enjoyable to both dogs and their owners.

\* One source of revenue is to charge for yearly passes for the dogs, helping to off-set the cost of the park.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$35,000						\$35,000	\$35,000	
<b>Total</b>	<b>\$35,000</b>						<b>\$35,000</b>	<b>\$35,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Parks and Recreation

**Project Title:** New Wooden Gym Floor

**Project Location:** Community Center

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**Project Status:** New

**Description and Justification:**

The current gym flooring is old, has holes patched with tape because of poor installation over volleyball net anchors, and this is dangerous and also projects an image of a below par recreation facility. The present flooring is unable to be refinished, so it will show its age and wear permanently. New wooden flooring is needed with lines for volleyball, basketball, tennis, badminton and soccer. This wooden flooring could be refinished each year to look like new, would attract more users, and revenue from rentals and tournaments will increase with the installation of a new floor.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$100,000						\$100,000	\$100,000	
<b>Total</b>	\$100,000						\$100,000	\$100,000	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Parks and Recreation

**Project Title:** Greenways

**Project Location:** Town-wide

**Project Status:** In Progress

**Description and Justification:**

This project involves the gradual construction of the Town-wide Blacksburg Greenways including off road bike trails, land acquisition, and amenities for the greenways. Funding is to connect the Hethwood trails across to the Heritage Park; funding would cover easement acquisition and construction. The next priority is for the Prices Fork Connector to the Huckleberry Trail followed by the Central Blacksburg Greenway. The goal is to complete Central Blacksburg Greenway and trail from the Hethwood trail connection to the Plantation Road trail, which would run through the Va. Tech farm on Plantation Road.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	Ongoing						\$100,000	\$100,000	
<b>Total</b>	Ongoing						\$100,000	\$100,000	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Parks and Recreation

**Project Title:** Restroom Replacement in Parks

**Project Location:** Municipal Park, Tom's Creek Park

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**Project Status:** In Progress

**Description and Justification:**

This project will replace the 1 restroom in the Municipal Park or Tom's Creek Park. The restrooms are extremely old and difficult to clean, maintain and upgrade. We are requesting restrooms that are constructed of pre-cast concrete, built off-site and installed in a few hours. The concrete construction will limit the amount of vandalism that occurs to these structures and provide a new clean appearance for our park users. Over the next few years we plan to replace the other restrooms to meet this new standard.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$100,000	\$30,000	\$50,000					\$50,000	\$20,000
<b>Total</b>	<b>\$100,000</b>	<b>\$30,000</b>	<b>\$50,000</b>					<b>\$50,000</b>	<b>\$20,000</b>



# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Planning & Engineering

**Project Title:** Information Integration, Storage, and Dissemination

**Project Location:** Information Technology

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**Project Status:** New

### **Description and Justification:**

These funds will be used to hire a consultant to evaluate and propose solutions for integrating and storing information managed by the Planning and Engineering Department. Integration will focus on both internal and external operational sources and linkages. Currently the department is handling maintenance of a growing body of data and graphics in both hard copy and digital forms without a plan to eliminate redundancy, correct inconsistencies or share centralized data in a standardized form or protocol. The purpose of the assessment is to provide a solution that will improve our current maintenance processes, sharing of information across divisions critical to the integrated services we provide, enhance public dissemination of information relating to development projects, and reduce the hard copy storage needs of maps, reports, letters, etc by proposing a digital filing and storage solution.

The funds will also be used to purchase a new Building Permit system based on the assessment of the consultant. The current system is outdated and proprietary, does not allow mutual access, and prevents customization of local information and reports. Because of this the Building Division maintains redundant information in more flexible databases. The new Building Permit system will allow integration and access to information shared across the Planning & Engineering Divisions by allowing each division independent access and maintenance responsibilities. It will also be customizable to fit local processes, report requirements, and eliminate redundancy in information management.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Funds	\$50,000		\$50,000					\$50,000	
<b>Total</b>	<b>\$50,000</b>		<b>\$50,000</b>					<b>\$50,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Planning & Engineering

**Project Title:** GIS (Hardware replacement)

**Project Location:** Information Technology

**Project Status:** Ongoing

Prior allocations are a combination of 2001/2002 and 2002/2003 funding for imagery acquisition and subsequent product development. The Town's participation in the statewide Virginia Base Mapping Program (VBMP) delayed project timelines and contracts. This accounts for the lack of spending in previous years. Currently, planimetric updated of our local base maps are contracted and in-progress. Remaining funds will be used to update contour layers which were last updated in 1991. Contracts for this are planned for the spring of 2005.

### **Description and Justification:**

The 2005/2006 funds will be used for the continued maintenance of existing services and the enhancement of service provision to employees and citizens.

The current plotter was purchased in 1999. The new plotter will have large format scanning and copying options. It will expand our ability to produce large format graphics, reduce hard copy storage requirements, and will take up less floor space. This expense is funded in equal proportions between the General Fund and the Water and Sewer Fund.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	\$10,000	\$73,757.30	\$10,000					\$10,000	
Water/ Sewer Fund	\$10,000		\$10,000					\$10,000	
<b>Total</b>	<b>\$20,000</b>	<b>\$73,757.30</b>	<b>\$20,000</b>					<b>\$20,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Planning and Engineering

**Project Title:** Stormwater Cost Share Projects

**Project Location:** Town-wide

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**Project Status:** New

**Description and Justification:**

This CIP includes funding to accomplish storm water projects as they arise. The town receives a number of citizen complaints concerning storm water runoff each year, and interest and concern about storm water management is increasing in the community. Operational budgets for the public works department support maintenance of current systems, but do not address system improvements; therefore the funding will allow for staff to contract out the work. Using the proposed storm water improvement policy, storm water improvements would be funded through this project in the following priority ranking as funding permits.

1. potential to be life threatening,
2. potential to impact health and safety,
3. potential to damage habitable structures,
4. potential to damage property.

The projects are aimed at correcting a storm water problem that has been identified as occurring because of some public responsibility and some private responsibility and that drain less than 100 acres of drainage area. In this program, the Town and Property Owner share the total improvement cost equally. If the work is done with Public Works crews rather than a hired contractor, the Town share will be labor and equipment, and the property owner share will be materials costs.

Identified projects include:

**Airport Rd-** Storm water runoff from the road and from neighboring yards eroding a driveway.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	\$15,000		\$15,000					\$15,000	
<b>Total</b>	<b>\$15,000</b>		<b>\$15,000</b>					<b>\$15,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Planning and Engineering

**Project Title:** Council Land Use Study

**Project Location:** Town-wide

**Project Status:** New

**Description and Justification:**

Provides funding to hire a consultant to address the Town Council goal of evaluating the town's land use.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$80,000		\$80,000					\$80,000	
<b>Total</b>	<b>\$80,000</b>		<b>\$80,000</b>					<b>\$80,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Planning and Engineering

**Project Title:** Major Street Improvements

**Project Location:** Townwide

**Project Status:** Ongoing

### **Description and Justification:**

This project funds the Town Share ( 2%) of the designated streets within the VDOT Urban Highway Program. Five projects are currently included in the VDOT Six-Year Plan:

- 1) The Tom's Creek Road/U.S. 460 Interchange, which is in land acquisition (total estimated cost \$10,120,000).
- 2) North Main Street improvements from College Avenue to Prices Fork Road per the Downtown Master Plan. Improvements will include a narrowed Main Street allowing for better pedestrian crossings, an enhanced pedestrian plaza and parking area fronting downtown businesses, and a roundabout at the intersection of Main Street and Prices Fork.
- 3) Intersection Improvements to enhance pedestrian safety and traffic flow: This project includes Ellett Road at South Main Street; Prices Fork Road at West Campus Drive; and Prices Fork Road at Tom's Creek Road.
- 4) North Main Street Improvements- This project is to widen Main Street to four lanes with landscaped medians, bike lanes, trails, and sidewalks from Giles Road to Mount Tabor Road, and shall include realigning Mount Tabor Road with Givens Lane.
- 5) Givens Lane Improvements and Progress Street Extension- This project widens Givens Lane to include bike lanes and sidewalks from Main Street to Chickahominy Drive. It will also extend Progress Street from its current terminus to Givens Lane.
- 6) Intersection Improvement to University City Boulevard and Prices Fork- This may be an improved signalized intersection or a round-a-bout. The project will include a pedestrian bridge crossing Prices Fork, however funding from the Town for the bridge shall not exceed \$300,000.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds		\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	
<b>Total</b>		\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Planning and Engineering

**Project Title:** Neighborhood Enhancement Matching Grants

**Project Location:** Town-wide

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**Project Status:** Ongoing

**Description and Justification:**

This matching grant program encourages citizens to participate and remain active in Neighborhood Planning for their community and to be proactive about enhancing their neighborhoods. A local grant program also strengthens federal and state grant applications for larger neighborhood improvement projects. Each neighborhood is eligible for up to \$2,000 per year for improvements such as landscaping along rights-of-way, common areas, greenways, and other spaces through signage, vegetation, or other creative ideas. The match can be cash, in-kind services, and a limited amount of sweat equity (up to 25%). This arrangement encourages neighborhoods to apply, remain organized and reapply in subsequent years.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	Continuing	\$22,000	\$11,000				\$22,000	\$33,000	Continuing
<b>Total</b>		\$22,000	\$11,000				\$22,000	\$33,000	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Planning and Engineering

**Project Title:** Neighborhood Traffic Control Program

**Project Location:** Town-wide

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**Project Status:** In Progress

**Description and Justification:**

Funding will be used to assist with design, engineering, and construction costs for neighborhood traffic calming devices to reduce speeding, cut through traffic, and other traffic concerns. Additionally, staff employs permanent signage, striping, and physical measures each year in the neighborhood traffic control program. Additional years of funding will be used for comprehensive projects with neighborhoods. Approximately 4 or 5 neighborhoods are in the program in any given year.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	Continuing	\$77,121	\$25,000					\$25,000	Continuing
<b>Total</b>		\$77,121	\$25,000					\$25,000	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Planning and Engineering

**Project Title:** Environmental Management System: Pollution Prevention: Storm Water Management

**Project Location:** Town-wide

**Project Status:** New

**Description and Justification:**

Funding in year 2005/06 is provided to study lower frequency alternatives for storm water detention in new developments. Also included is a West Stroubles Creek flood control study to look at detention, retention, and low impact development to reduce the storm water flooding in this basin. The Long Range Planning Committee has asked for these studies as a result of citizen concerns over the flooding effects from smaller storms; these initiatives fit nicely into the goals of the EMS-P2 plan whose main objective is to ***reduce the quantity of storm water flows and improve the water quality.***

Additionally, funding for projects in year 2006/07 will meet the main objective of the EMS-P2 to reduce storm water quantity and improve quality. These are also needed to meet the requirements of the Pollutant Discharge Elimination System Phase II Permit Requirements. Projects in year 2006/07 are proposed to meet the 5-year schedule for the permitting MS-4 program. They include completing a GIS storm water mapping layer for Stroubles Creek for the area draining to Webb Street. Mapping is funded to include global positioning of inlets, outfalls, and significant structures as well as recording diameter sizes, materials and determining slopes of lines greater than or equal to 18" in diameter. Funding in this year will also provide the town with a study to determine Best Management Practices appropriate for Blacksburg to incorporate water quality into its storm water management ordinances.

Finally 2007/08 contains funding for a Tom's Creek Storm water management study that will look at future build-out in Tom's Creek drainage basin and consider regional management techniques to reduce water quantity, improve water quality, and to encourage low impact development.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$40,000			\$40,000				\$40,000	
<b>Total</b>	<b>\$40,000</b>			<b>\$40,000</b>				<b>\$40,000</b>	



# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Police

**Project Title:** Police Communications System

**Project Location:** 200 Clay Street, Blacksburg Police Department

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**Project Status:** In Progress

**Description and Justification:**

The police department has completed a total rebuild of the department's communications system. The system that has been installed and placed in use is top of the line and has the capability to be up-graded to a trunking system when the need arises. However to keep this system operating at it's peak, the equipment must be replaced/up-graded on a schedule instead of allowing the system to deteriorate to the point of the department's old system. The department's communications consultant has outlined a recommended replacement schedule: portable radios 4 – 5 years, mobile radios 6 – 7 years, control stations/repeaters approximately 10 years. In order to have the appropriate funding available for the continued up-grade/replacement communications equipment it is requested that funds be placed into the current CIP Police Communications System project so that the department personnel and the citizens can be assured of a reliable and up to date communications system.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Funds	Ongoing	\$920,845	\$30,000	\$30,000				\$60,000	Ongoing
<b>Total</b>	Ongoing	\$920,845	\$30,000	\$30,000				\$60,000	Ongoing

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Public Works

**Project Title:** Rental Property Maintenance

**Project Location:** Thomas-Conner House and Armory Building

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**Project Status:** In Progress

**Description and Justification:**

This project provides funding to handle major maintenance and unexpected repairs to the Thomas-Conner House and the Armory Building, both rental properties owned by the Town. Examples of projects funded in past years include floor refinishing, interior and exterior painting, shutter replacement and porch repairs. Unspent funds remaining in the account at the end of each fiscal year to rollover to the next fiscal year to build a balance for large expenditures.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	continuing	continuing	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$75,000	continuing
<b>Total</b>	continuing	continuing	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$75,000	continuing

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Public Works

**Project Title:** Traffic Signal Cabinet Upgrades

**Project Location:** Town-wide

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**Project Status:** In Progress

### **Description and Justification:**

This project provides funding to replace original traffic control cabinets installed over 25 years ago with current NEMA approved cabinets that will allow integration of future equipment such as OPTICOM preemption or video detection. Replacement parts for the older cabinets are no longer available and if damage to existing cabinets occurs, the intersection control and operation could be down for extended periods of time. The cost of the traffic signal cabinet upgrades is approximately \$18,000 per intersection. Work can be done over a three-year period with one intersection completed each year. All work would be performed by a contractor. The priority of replacement is 1) Draper Road/Washington, 2) Giles Road/Progress, and 3) Turner/Progress. Work to be done by Public Works crews.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$54,000		\$18,000					\$18,000	\$36,000
<b>Total</b>	<b>\$54,000</b>		<b>\$18,000</b>					<b>\$18,000</b>	<b>\$36,000</b>

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Public Works

**Project Title:** Traffic Signal Head Replacement

**Project Location:** Downtown Intersections

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**Project Status:** In Progress

### **Description and Justification:**

This project provides funding to upgrade our existing traffic signal heads in the downtown area to prevent signal failures at these intersections. Due to the age of the existing signal heads, they are showing signs of extreme wear both from a structural and an electrical standpoint. Replacement is proposed over a three year period and includes the intersections at the following locations: 1) Washington Street/S. Main Street, 2) Washington Street/Draper Road, 3) Roanoke Street/S. Main Street, 4) College Avenue/N. Main Street, 5) Turner Street/N. Main Street, 6) Progress Street/Turner Street, and 7) Giles Road/Progress Street. Work to be done by Public Works crews.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$20,000		\$20,000					\$20,000	
<b>Total</b>	<b>\$20,000</b>		<b>\$20,000</b>					<b>\$20,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Public Works

**Project Title:** Transfers to Building Systems Depreciation Fund

**Project Location:** Various Town Buildings

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**Project Status:** In Progress

**Description and Justification:**

This project supports the Major Building System replacement project by transferring funds to a depreciation fund, which is used to replace major building systems prior to their failure.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	continuing	continuing	\$45,834	\$45,834	\$45,834	\$45,834	\$45,834	\$229,170	continuing
<b>Total</b>	continuing	continuing	\$45,834	\$45,834	\$45,834	\$45,834	\$45,834	\$229,170	continuing

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Public Works

**Project Title:** Transfers to Equipment Depreciation Fund

**Project Location:** Not Applicable

**Project Status:** In Progress

### **Description and Justification:**

This fund was established in FY 1977/78 to set aside each year, on a cumulative basis, enough funding to allow for the replacement of equipment that has reached its useful life. The list on the following pages contains equipment presently included in the fund. Depreciation proposed for 2005/2006 and future years are also displayed. Funding in this manner eliminates instances in which a large equipment purchase for the General Fund, Water and Sewer Fund, Golf Course Fund and Waste Management Fund would require an increase in either taxes, fees or utility service rates. An itemized listing of vehicles and equipment is included in the following pages.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	continuing	continuing	\$603,694	\$603,694	\$603,694	\$603,694	\$603,694	\$3,018,470	continuing
Golf Fund	continuing	continuing	\$10,024	\$10,024	\$10,024	\$10,024	\$10,024	\$50,120	continuing
W&S Fund	continuing	continuing	\$129,605	\$129,605	\$129,605	\$129,605	\$129,605	\$648,025	continuing
Waste Mgt.	continuing	continuing	\$21,840	\$21,840	\$21,840	\$21,840	\$21,840	\$109,200	continuing
<b>Total</b>	continuing	continuing	\$765,163	\$765,163	\$765,163	\$765,163	\$765,163	\$3,825,815	continuing

# TRANSFERS TO EQUIPMENT DEPRECIATION FUND 2006-2010

Equip #	Vehicle #	Description	FY Acquired	Life	Replacement Cost	Depreciation	FY Replacement
<b>CDGB Fund</b>							
457	HD-201	Sedan, Economy	2001	7	14,000	2,000	2008
456	HD-202	Sedan, Economy	2001	7	14,000	2,000	2008
					<b>28,000</b>	<b>4,000</b>	
<b>General Fund</b>							
9841	AM-201	Sedan, Full Size	2005	7	23,000	3,286	2012
96130	AS-401	Truck-Pick-up, 3/4 ton 4WD	2005	7	35,000	5,000	2012
9722	AS-501	Truck-Dump, Tandem	1998	9	70,000	7,778	2007
452	AS-502	Truck-Dump	2001	9	55,000	6,111	2010
454	AS-503	Truck-Dump, 4WD	2001	9	65,000	7,222	2010
98172	AS-603	Paver-Asphalt	1998	11	32,000	2,909	2009
445	AS-604	Roller-Asphalt	2000	13	30,000	2,308	2013
397	AS-607	Sweeper-Street	2000	10	101,000	10,100	2010
444	AS-701	Backhoe	2001	10	65,000	6,500	2011
50	AS-702	Grader	1989	17	90,000	5,294	2006
9953	AS-703	Loader	1999	12	89,000	7,417	2011
	AS-801	Traffic Message Board	2001	16	11,000	688	2017
9462	AS-902	Arrow Board	1995	16	10,000	625	2011
557	BD-401	SUV, Economy	2002	7	19,000	2,714	2009
9895	BD-402	Truck-Pick-up, 3/4 ton 4WD	2005	7	35,000	5,000	2012
93	BD-403	Truck-Pick-up, 3/4 ton 4WD	2001	7	35,000	5,000	2008
555	BD-405	Truck-Pick-up, 3/4 ton 4WD	2002	7	35,000	5,000	2009
483	BD-801	Genie Hydraulic Lift	2001	12	18,000	1,500	2013
9586	CE-401	Truck-Pick-up, 3/4 ton 4WD	2003	7	25,000	3,571	2010
458	CE-701	Backhoe	2001	10	65,000	6,500	2011
461	CE-801	Tractor, 32 HP	2001	12	19,000	1,583	2013
425	CH-101	SUV, Standard	2001	7	22,000	3,143	2008
606	EG-102	SUV, Standard-Sam	2004	7	30,000	4,286	2011
98136	EG-103	SUV, Standard- Lisa	2005	7	22,000	3,143	2012
423	EG-105	SUV, Standard- Kathy	2001	7	22,000	3,143	2008
9902	EG-401	Truck-Pick-up- Steele	1999	7	20,000	2,857	2006
406	EO-101	SUV, Economy	2001	7	19,000	2,714	2008
419	EO-402	Truck-Pick-up, 1 ton 4WD	2001	7	40,000	5,714	2008

Equip #	Vehicle #	Description	FY Acquired	Life	Replacement Cost	Depreciation	FY Replacement
116	EO-501	Tractor, Cab	2005	15	70,000	4,667	2020
446	EO-901	Trailer, Low Boy	2001	16	18,000	1,125	2017
402	FD-02	Truck-Ladder	1999	21	800,000	38,095	2020
50003	FD-03	Mack Pumper	2005	21	350,000	16,667	2026
508	FD-04	Truck-Equipment	2004	21	150,000	7,143	2025
50005	FD-05	Mobile Air Unit (Chasis)	1993	21	300,000	14,286	2014
50009	FD-09	Pumper	1988	21	400,000	19,048	2009
50010	FD-10	Pumper	1999	21	221,000	10,524	2020
560	FD-12	Truck-Brush	2002	11	40,000	3,636	2013
50011	FD-13	SUV, Full Size	2004	7	30,000	4,286	2011
50016	FD-16	Truck-Pick-up, 3/4 ton 4WD	1999	7	30,000	4,286	2006
486	FD-23	Sedan, Full Size	2001	7	23,000	3,286	2008
485	FD-24	Sedan, Full Size	2001	7	23,000	3,286	2008
511	FI-101	SUV, Economy	2002	7	19,000	2,714	2009
9903	GP-101	SUV, Full Size	1999	7	30,000	4,286	2006
466	GR-402	Truck-Pick-up, 3/4 ton 4WD	2001	7	30,000	4,286	2008
95138	GR-803	Mower-Front Deck	2002	7	14,000	2,000	2009
9468	GR-804	Mower-Tractor w/Flail Arm	1995	11	55,000	5,000	2006
625	HT-401	Truck-Pick-up, 1/2 ton 4WD	2004	7	20,000	2,857	2011
556	HT-402	Truck-Pick-up, 3/4 ton 4WD	2002	7	20,000	2,857	2009
628	HT-403	Truck-Pick-up, F550 4WD	2004	7	40,000	5,714	2011
517	HT-404	Truck-Pick-up, 1 ton 4WD	2002	7	30,000	4,286	2009
9733	HT-501	Truck-Dump, Flatbed	1998	9	45,000	5,000	2007
98109	HT-503	Truck-Bucket	1998	8	50,000	6,250	2006
304	HT-504	Truck-Water	1999	11	50,000	4,545	2010
95102	HT-702	Unloader	1996	11	42,000	3,818	2007
9789	HT-802	Gator	1998	13	10,000	769	2011
94120	HT-901	Stump Grinder	1995	11	12,000	1,091	2006
605	IN-101	SUV, Standard-Daniel	2004	7	22,000	3,143	2011
433	MP-101	SUV, Economy	2001	7	19,000	2,714	2008
434	MP-102	SUV, Economy	2001	7	19,000	2,714	2008
435	MP-401	Truck-Pick-up, F550 ton 4WD	2001	7	40,000	5,714	2008
420	PD-005	SUV, Standard	2001	7	22,000	3,143	2008
443	PD-011	SUV, Full Size	2001	7	30,000	4,286	2008
512	PD-021	Sedan, Full Size	2002	7	23,000	3,286	2009
514	PD-022	Sedan, Full Size	2002	7	23,000	3,286	2009



<b>Equip #</b>	<b>Vehicle #</b>	<b>Description</b>	<b>FY Aquired</b>	<b>Life</b>	<b>Replacement Cost</b>	<b>Depreciation</b>	<b>FY Replacement</b>
513	PD-023	Sedan, Full Size	2002	7	23,000	3,286	2009
534	PD-024	Sedan, Full Size	2002	7	23,000	3,286	2009
510	PD-025	Sedan, Full Size	2002	7	23,000	3,286	2009
518	PD-026	Sedan, Full Size	2002	7	23,000	3,286	2009
32975	PD-051	SUV, Full Size	2005	7	30,000	4,286	2012
32976	PD-052	Sedan, Full Size	2005	7	23,000	3,286	2012
32977	PD-053	SUV, Full Size	2005	7	30,000	4,286	2012
32978	PD-054	Sedan, Full Size	2005	7	23,000	3,286	2012
32979	PD-055	Sedan, Full Size	2005	7	23,000	3,286	2012
33931	PD-931	Van, Evidence	1994	13	55,000	4,231	2007
32981	PD-981	SUV, Full Size	1999	7	30,000	4,286	2006
32986	PD-986	SUV, Standard	1999	7	22,000	3,143	2006
32987	PD-987	SUV, Standard	1999	7	22,000	3,143	2006
33995	PD-995	SUV, Full Size	1999	7	30,000	4,286	2006
460	PI-301	Van, Standard	2001	7	25,000	3,571	2008
467	PK-401	Truck-Pick-up, 3/4 ton 4WD	2001	7	30,000	4,286	2008
566	PK-402	Truck-Pick-up, 3/4 ton 4WD	2003	7	30,000	4,286	2010
515	PL-101	SUV, Standard	2002	7	22,000	3,143	2009
358	PL-801	Mowers (6)	2001	6	42,000	7,000	2007
349	PL-802	Mowers (6)	2000	6	42,000	7,000	2006
	PL-901	Leaf Boxes	2005	5	24,000	4,800	2010
426	PN-101	SUV, Standard-Gregg	2001	7	22,000	3,143	2008
424	PW-101	SUV, Standard	2001	7	22,000	3,143	2008
364	RC-102	SUV, Standard	2000	7	22,000	3,143	2007
459	RC-201	Sedan, Economy	2001	7	14,000	2,000	2008
32	RC-302	Van, 15-Passenger	2005	7	28,000	4,000	2012
465	RC-304	Van, 20-Passenger	2001	7	43,000	6,143	2008
479	RC-305	Van, Mini	2001	7	20,000	2,857	2008
93114	RC-401	Truck-Pick-up	2005	7	20,000	2,857	2012
4061	RS-01	SUV, Full Size	2005	7	30,000	4,286	2012
360	RS-02	First Response Vehicle	1999	7	30,000	4,286	2006
395	RS-03	First Response Vehicle	2000	7	40,000	5,714	2007
401	RS-04	Sedan, Full Size	2000	7	23,000	3,286	2007
487	RS-50	Ambulance-Type II	2001	7	115,000	16,429	2008
4053	RS-53	Ambulance-4WD	2005	7	115,000	16,429	2012
4054	RS-54	Rescue Crash Truck	1992	21	350,000	16,667	2013

Equip #	Vehicle #	Description	FY Acquired	Life	Replacement Cost	Depreciation	FY Replacement
396	RS-56	Ambulance- Type II	1999	7	115,000	16,429	2006
9811	SD-401	Truck-Pick-up, 3/4 ton 4WD	2005	7	35,000	5,000	2012
453	SD-501	Truck-Dump	2001	9	55,000	6,111	2010
448	SD-502	Truck-Dump	2001	9	55,000	6,111	2010
464	SD-701	Backhoe	2001	10	65,000	6,500	2011
96126	SD-702	Uniloader	1997	11	42,000	3,818	2008
9904	ST-101	SUV, Full Size	1999	7	30,000	4,286	2006
590	SW-401	Truck-Pick-up, 3/4 ton 4WD	2004	7	35,000	5,000	2011
462	SW-501	Truck-Dump	2001	9	55,000	6,111	2010
	SW-701	Backhoe	1997	10	65,000	6,500	2007
9298	SW-702	Uniloader	1993	13	42,000	3,231	2006
436	SW-901	Air Compressor	2001	11	14,000	1,273	2012
516	TE-401	Truck-Bucket	2002	7	50,000	7,143	2009
	TE-403	Truck-Pick-up, 1/2 ton 4WD	2005	7	20,000	2,857	2012
588	TM-101	SUV, Mid-Size	2004	5	25,000	5,000	2009
					<b>6,414,000</b>	<b>599,694</b>	
<b>Golf Course Fund</b>							
413	GC-402	Truck-Pick-up	2000	7	20,000	2,857	2007
9274	GC-801	Tractor, 40 HP	2004	12	30,000	2,500	2016
427	GC-806	Mower-Toro 6' Front Deck	2000	6	14,000	2,333	2006
624	GC-812	Mowers - (2)	2005	6	14,000	2,333	2011
					<b>78,000</b>	<b>10,024</b>	
<b>Water &amp; Sewer Fund</b>							
9827	PS-401	Truck-Pick-up, 3/4 ton 4WD	2005	7	30,000	4,286	2012
26	PS-402	Truck-Pick-up, 3/4 ton 4WD	2000	7	30,000	4,286	2007
9095	PS-403	Truck-Pick-up, 3/4 ton 4WD	2004	7	30,000	4,286	2011
417	SE-301	Van, 4WD	1999	9	30,000	3,333	2008
417-A	SE-301A	Sewer TV System	2002	11	46,000	4,182	2013
96131	SE-401	Truck-Pick-up, 3/4 ton 4WD	2005	7	30,000	4,286	2012
7	SE-402	Truck-Pick-up, 3/4 ton 4WD	2000	7	30,000	4,286	2007
522	SE-403	Truck-Pick-up, 3/4 ton DRW	2002	7	30,000	4,286	2009
9514	SE-501	Truck-Dump	1996	10	50,000	5,000	2006
98169	SE-701	Backhoe	1998	10	65,000	6,500	2008
436	SE-901	Air Compressor	2001	11	14,000	1,273	2012
9561	SE-904	Sewer Washer	2005	5	38,000	7,600	2010
582	SE-907	Vacuum Excavator	2004	10	40,000	4,000	2014

Equip #	Vehicle #	Description	FY Acquired	Life	Replacement Cost	Depreciation	FY Replacement
9821	UB-401	Truck-Pick-up	2005	7	20,000	2,857	2012
9939	UB-402	Truck-Pick-up	2000	7	20,000	2,857	2007
393	WA-401	Truck-Pick-up, 3/4 ton 4WD	1999	7	30,000	4,286	2006
450	WA-501	Truck-Dump	2001	9	50,000	5,556	2010
447	WA-502	Truck-Dump, Tandem	2001	9	60,000	6,667	2010
579	WA-601	Asphalt Milling Machine	2004	10	71,000	7,100	2014
455	WA-701	Backhoe	2005	10	65,000	6,500	2015
422	WA-703	Loader	2000	12	89,000	7,417	2012
422	WA-704	Unloader	2000	11	42,000	3,818	2011
523	WA-705	Backhoe, Heavy Track	2002	14	100,000	7,143	2016
428	WA-902	Air Compressor	2001	11	14,000	1,273	2012
		Sewer Pump	2005	10	74,000	7,400	2015
9906	UT-101	SUV, Full Size	1999	7	30,000	4,286	2006
622	UT-401	Truck-Pick-up, 1/2 ton 4WD	2005	7	25,000	3,571	2012
					<b>1,167,000</b>	<b>129,605</b>	
<b>Waste Management Fund</b>							
96125	WM-401	Truck-Pick-up, 1/2 ton 4WD	2005	7	20,000	2,857	2012
449	WM-501	Truck-Dump	2001	9	50,000	5,556	2010
451	WM-502	Truck-Dump	2001	9	50,000	5,556	2010
506	WM-901	Leaf Machine	1996	10	14,000	1,400	2006
95101	WM-904	Leaf Machine	1996	12	14,000	1,167	2008
9383	WM-905	Leaf Machine	2005	7	14,000	2,000	2012
9356	WM-906	Leaf Machine	2005	9	14,000	1,556	2014
507	WM-907	Leaf Machine	2002	8	14,000	1,750	2010
					<b>190,000</b>	<b>21,840</b>	
					<b>7,877,000</b>	<b>765,163</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Public Works

**Project Title:** Curb, Gutter, and Sidewalk Replacement

**Project Location:** Town-wide

**Project Status:** In Progress

**Description and Justification:**

This project funds the replacement of old deteriorated, damaged or settled portions of curb, and gutter and sidewalk according to the attached schedule. This project includes funding to complete the concrete replacement work in the HUD project area along Lee Street, Rutledge Street, and Woolwine Street in FY 2005-06. The remaining concrete replacement work town wide follows in FY 2006-07 through FY 2009-10.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	continuing	continuing				\$42,000	\$45,000	\$87,000	continuing
General Fund	continuing	continuing	\$22,500					\$22,500	
<b>Total</b>	continuing	continuing	\$22,500			\$42,000	\$45,000	\$109,500	continuing

**Curb, Gutter, and Sidewalk Replacement  
FY 2005-06 to FY 2009-10**

<b>Fiscal Year</b>	<b>Location</b>	<b>Type</b>	<b>Length (lf)</b>	<b>Cost</b>
<b>2005/2006</b>	Lee Street (HUD Project)	Sidewalk	920	\$14,720
	Rutledge Street (HUD Project)	Curb and Gutter	312	\$3,744
	Woolwine Street (HUD Project)	Curb and Gutter	312	<u>\$3,744</u>
		<b>Total:</b>		<b><u>\$22,208</u></b>
<b>2006/2007</b>	Kabrich Street (Stonegate Dr. to Webb St.)	Sidewalk	1426	\$22,816
		Curb and Gutter	1426	<u>\$17,112</u>
		Subtotal:		\$39,928
		Inflation @ 3.5%		<u>\$1,397</u>
		<b>Total:</b>		<b><u>\$41,325</u></b>
<b>2007/2008</b>	Sunset Blvd. (From Main St. to Palmer Dr.)	Curb and Gutter	1100	\$13,200
	Eakin Street (From Main St. to Penn St.)	Sidewalk	600	\$9,600
	S. Main Street (Clay St. to Eheart Street)	Sidewalk	685	<u>\$10,960</u>
		Subtotal:		\$33,760
		Inflation @ 7.1%		<u>\$2,397</u>
		<b>Total:</b>		<b><u>\$36,157</u></b>
<b>2008/2009</b>	Lucas Drive (N. Main Street to Giles Road)	Curb and Gutter	1000	\$12,000
	Airport Road (From Eastview Terrace to school)	Sidewalk	525	\$8,400
	Preston Avenue (From Eheart Street to Eakin Street)	Sidewalk	420	\$6,720
	Progress Street (From Virginia St. to McDonald St.)	Sidewalk	450	<u>\$7,200</u>
		Subtotal:		\$34,320
		Inflation @ 10.9%		<u>\$131</u>
		<b>Total:</b>		<b><u>\$34,451</u></b>
<b>2009/2010</b>	Cambridge Road (From 700 Block to Newton Court)	Sidewalk	2700	\$43,200
				Inflation @ 14.4% <u>\$622</u>
		<b>Total:</b>		<b><u>\$43,822</u></b>

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Public Works

**Project Title:** Major Facilities Repair

**Project Location:** Various Locations

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**Project Status:** New

**Description and Justification:**

This project provides funding for major facility repairs to Town of Blacksburg buildings. The repairs included in this project are beyond the scope of routine maintenance normally covered by operational resources.

**FY 2005-06**

- Salt storage shed exterior wood sealing and repair \$16,000
- Recreation Center exterior metal refinishing \$28,000

**FY 2006-07**

- Recreation Center window replacement in foyer and gym \$37,000

**FY 2007-08**

- Public Works Warehouse roof coating and gutter replacement \$38,000

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	\$119,000		\$16,000					\$16,000	\$103,000
<b>Total</b>	<b>\$119,000</b>		<b>\$16,000</b>					<b>\$16,000</b>	<b>\$103,000</b>

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Public Works

**Project Title:** Traffic Signal Replacement

**Project Location:** Town-wide

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**Project Status:** New

**Description and Justification:**

This project provides funding for the complete replacement of existing traffic signal equipment at the intersections of Airport Road/South Main Street, Progress Street/North Main Street, and Heather Drive/Prices Fork Road. All three intersections have equipment, poles, signal heads that are of extreme age. Parts no longer available to maintain these intersections. At each intersection the poles and control equipment need to be upgraded. A citizen requested a pedestrian signal at Airport and Main, but due to age it cannot be installed. The projected funding schedule provides for the replacement of one intersection per year for 3 years. Work to be done by contractor.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$360,000			\$120,000			\$120,000	\$240,000	\$120,000
<b>Total</b>	<b>\$360,000</b>			<b>\$120,000</b>			<b>\$120,000</b>	<b>\$240,000</b>	<b>\$120,000</b>

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Public Works

**Project Title:** Municipal Building Electrical Service Upgrade

**Project Location:** Municipal Building

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**Project Status:** New

**Description and Justification:**

This project provides funding to relocate the existing electrical service to the Draper Road side of the building. It will require the removal of the retaining wall and the excavation of the bank to create an area to contain the new generator, switching equipment, electrical meter and garbage cans. A concrete pad and retaining walls will be required. First year funding provides for building the “area”, purchasing the electrical switching equipment, and moving the electrical service. Second year funding provides for purchasing and installing the emergency generator.

This project will provide back-up emergency power for the computer system (including Blacksburg Alert) and the climate control needed to keep the computers operational. Emergency power will allow the Municipal Building to continue to serve the community needs during an extended power loss. The electrical service relocation puts the generator in the least obtrusive spot on the Municipal Building site. The generator will be hidden from Clay Street and Main Street, and partially concealed from Draper Road and Washington Street.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	\$100,000		\$60,000					\$100,000	\$40,000
<b>Total</b>	<b>\$100,000</b>		<b>\$60,000</b>					<b>\$100,000</b>	<b>\$40,000</b>



# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Public Works

**Project Title:** Traffic Signal Equipment Replacement

**Project Location:** Town-wide

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**Project Status:** New

### **Description and Justification:**

This project provides funding for the equipment replacements necessary to maintain operation of the 9 traffic signal intersections along Main Street and Price's Fork Road that are equipped with the new video detection equipment. The failure of this equipment (video camera, video processor, and/or wireless communication) will result in losing the ability to coordinate traffic along these two busy traffic corridors. First year costs include the test/diagnostic equipment needed to troubleshoot suspected problems in equipment prior to failure. Equipment replacement needs are based on previous failure rates of video equipment, about 10%, and would include 4 LED modules, 1 video processor, 4 cameras, and 1 radio set per year.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	\$93,000		\$27,000					\$27,000	\$66,000
<b>Total</b>	<b>\$93,000</b>		<b>\$27,000</b>					<b>\$27,000</b>	<b>\$66,000</b>

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Public Works

**Project Title:** Roof Replacement

**Project Location:** Municipal Building

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**Project Status:** In Progress

### **Description and Justification:**

This project provides funding for the replacement of the Municipal Building roof over the lobby area. The existing roof is in disrepair and frequently leaks during heavy rainstorms. The existing roof over the lobby area is composed of an older rubber membrane roof material that will be replaced with a similar roofing system. The roof replacement work would be performed by a contractor.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	\$16,000		\$16,000					\$16,000	
<b>Total</b>	<b>\$16,000</b>		<b>\$16,000</b>					<b>\$16,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Technology

**Project Title:** Website Upgrade

**Project Location:** All

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**Project Status:** New

**Description and Justification:**

This project will allocate funding to upgrade the town web site – [www.blacksburg.gov](http://www.blacksburg.gov). For the town to keep up with the communications demands and for the town to remain at the forefront of Internet communications we need to replace the current web site software with a professionally re-designed and re-engineered web site package that includes:

- A modern database design for file and directory security
- Content management to allow fast and easy posting of information
- Selective approval process to allow for content review checks
- Video streaming capability to replace the current streaming system

Town staff does not have the resources, mainly time, to undertake this project – we are busy maintaining what we have. The current site requires difficult to learn technical skills to add content – and this puts the burden on the web support staff: the Web Site Administrator, Technology Department Staff, and a one or two other individuals.

Web site technologies have evolved and improved tremendously in the five (5) years since the last major upgrade of the web site. Modern design allows for the rapid posting of information, tools to spread the work load from a few people to many, and applications to provide rich, timely information delivery.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/19	Current 5-Year Total	Future Years
General Fund	\$50,000		\$50,000					\$50,000	
<b>Total</b>	<b>\$50,000</b>		<b>\$50,000</b>					<b>\$50,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Technology

**Project Title:** Email Upgrade

**Project Location:** All

**Project Status:** New

**Description and Justification:**

This project will set aside funding to upgrade the corporate email software the town uses. We currently use Exchange Server 2000 which is a five (5) year old application. We are proposing to upgrade to Exchange Server 2003 Enterprise.

Email has become the core of the town's inter and intra office communications. The current system has a finite limit to the amount of data and email it can store. We have exceeded this limit once and may do so again without careful management of the email system. We would like to upgrade the email application software to an unlimited data size version that is also newer and more robust in its features. In FY2005 we replaced the server hardware, so this is a software only upgrade. In addition we want to purchase an automated maintenance utility to ease the work load of staff and integrated fax capability

Improvements and benefits of this project are:

- Improved email spam / virus detection
- Improved rules for end-user email management
- Improved use with mobile devices
- Improved security
- Unlimited information storage database size
- Improved integration with the latest Microsoft Office Applications – Outlook, Word, Excel, etc.
- Improved web access to email
- Integrated desktop faxing for up to 100 users
- Automated maintenance of email system

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/19	Current 5-Year Total	Future Years
General Fund	\$23,000		\$23,000					\$23,000	
<b>Total</b>	<b>\$23,000</b>		<b>\$23,000</b>					<b>\$23,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Technology

**Project Title:** Technology Replacement

**Project Location:** All

**Project Status:** Continuing

**Description and Justification:**

This project will set aside funding to replace approximately one third (1/3) of the desktop and laptop computers every year. In addition this fund will replace network printers across the town – printers typically have a life of 4 to 5 years. There are approximately 180 desktop and laptop computers are in use now by town staff (there is an additional 30 in use by Blacksburg Transit that is not covered by this fund). This count grows by 3 or 4 a year due to new positions and increased workforce automation.

The cost per PC will remain constant at about \$1500 per PC and about \$2500 for a laptop computer. It is anticipated we will need to replace 50 desktops and 10 laptop computers per year.

In FY04 we replaced 49 desktops, 8 laptops, and 5 printers

In FY05 we are planning to replace 49 desktops and 9 laptops. We estimate replacing 3 printers this year.

This funding will allow the Technology Department to keep modern computer systems of 3 years and newer on the desks of the town employees so we can maintain out strategic technology edge.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/19	Current 5-Year Total	Future Years
General Fund	continuing	\$353,500	\$101,400	\$86,600				\$188,000	continuing
<b>Total</b>	continuing	\$353,500	\$101,400	\$86,600				\$188,000	continuing

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Technology

**Project Title:** Fiber Optic Network Expansion / Conduit for Town of Blacksburg

**Project Location:** All locations

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**Project Status:** Continuing

**Description and Justification:**

This project sets aside funding for the planning, installation and expansion of a Fiber Optic network for all Town facilities – Town Hall, Police, Parks and Recreation, Public Works, Transit, Fire, and Rescue. This will provide funds for the installation of conduit and fiber optic cable for use by the Town.

This funding is needed to replace the wireless network with a fiber based system. The need for fiber is for several reasons: to reduce the dependency on wireless, to enable network redundancy, allow for the combination of technologies onto a highly reliable infrastructure, enable future bandwidth hungry technology initiatives.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$94,500	\$20,000	\$74,500					\$74,500	
<b>Total</b>	\$94,500	\$20,000	\$74,500					\$74,500	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Technology

**Project Title:** 4 Vehicle Mobile Data Computers and Software for Town Rescue Vehicles (R50, R56, R4, R3)

**Project Location:** 200 Progress St.

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**Project Status:** New

### **Description and Justification:**

With a new CAD Dispatch System in place, the mobile data computers will enhance the reception of data directly from dispatch for Rescue Crews. The new software will interface with Town & County GIS mapping systems to ensure faster and more accurate response. This system will also afford us the ability to “flag” patients with special medical needs in the community to provide better service. At present we have requests for this type of service but no way to provide it.

Additionally, computers in the rescue vehicles will allow real time access to hazmat information and the ability to plot evacuation data quickly and precisely.

- Requesting computers from Montgomery Co. for Units 51, 52, C1 will adjust Town CIP for R2 to include addition of computer.
- Unit 53 scheduled for replacement FY 2004 will cover computer cost with existing CIP truck funds.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	\$50,000		\$46,000					\$46,000	
<b>Total</b>	\$50,000		\$46,000					\$46,000	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Town Manager

**Project Title:** North Main Street Betterment Costs

**Project Location:** North Main Street

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**Project Status:** New

**Description and Justification:**

Provides funding to add “betterment items” to the North Main Street improvements included in the VDOT 6-year Plan. Betterment items include brick sidewalks, street furniture, and other streetscape items that VDOT does not typically fund with highway improvement funds.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$500,000					\$500,000		\$500,000	
<b>Total</b>	\$500,000					\$500,000		\$500,000	



# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Town Manager

**Project Title:** Bennett House Renovation

**Project Location:** Bennett House

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**Project Status:** New

**Description and Justification:**

Provides funding for renovations to the Bennett House as a central feature in the Wong Park and office space for the Housing and Community Development division of the Town Manager's Office.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	\$100,000		\$100,000					\$100,000	
<b>Total</b>	<b>\$100,000</b>		<b>\$100,000</b>					<b>\$100,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Town Manager

**Project Title:** Downtown Improvements: South Main Street Streetscape

**Project Location:** South Main Street between Roanoke Street and Eheart Street

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**Project Status:** New

**Description and Justification:**

Design and Construction of downtown streetscape improvements along South Main Street between Roanoke Street and Eheart Street.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$781,500	\$250,000	\$531,500					\$531,500	
<b>Total</b>	\$781,500	\$250,000	\$531,500					\$531,500	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Town Manager

**Project Title:** Downtown Improvements: College Avenue Promenade

**Project Location:** College Avenue/Henderson Lawn

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**Project Status:** New

**Description and Justification:**

Designs and constructs improvements to College Avenue and Henderson Lawn as recommended by the Downtown Master Plan. The College Avenue Promenade is the marquee project included in the Downtown Master Plan and will result in the creation of an enhanced pedestrian streetscape and a town/university green space on Henderson Lawn that will serve as Blacksburg's town square.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$1,240,000			\$1,060,000	\$180,000			\$1,240,000	
TEA-21 Grant	\$122,000	\$122,000							
<b>Total</b>	<b>\$1,362,000</b>	<b>\$122,000</b>		<b>\$1,060,000</b>	<b>\$180,000</b>			<b>\$1,240,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Town Manager

**Project Title:** Downtown Improvements: Draper Road Improvements

**Project Location:** Draper Road from College Avenue to Miller Street

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**Project Status:** New

**Description and Justification:**

Implements the recommendations of the Downtown Master Plan. Designs and constructs streetscape improvements along Draper Road from College Avenue to Miller Street. The design will coordinate the streetscape elements along Draper Road adjacent to the downtown commercial core, Town and University owned historic structures, the Farmers Market, Kent Square, the Town Government Center, and the entry to the Miller-Southside neighborhood. The project will be broken into 2 phases. Phase 1 will be from College Avenue to Roanoke Street. Phase 2 will be from Roanoke Street to Miller Street and will be funded in future years.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$1,758,000					\$258,000	\$800,000	\$1,058,000	\$700,000
<b>Total</b>	<b>\$1,758,000</b>					<b>\$258,000</b>	<b>\$800,000</b>	<b>\$1,058,000</b>	<b>\$700,000</b>

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Town Manager

**Project Title:** Downtown Improvements: Farmers Market Improvements

**Project Location:** Farmers Market - 100 Block Draper Road

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**Project Status:** New

**Description and Justification:**

Develops plans for the expansion of the Blacksburg Farmers Market. Once plans are complete a construction cost estimate will be developed and the construction of the project will be funded through a combination of Town funding and private donations.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$120,000						\$100,000	\$100,000	\$20,000
<b>Total</b>	<b>\$120,000</b>						<b>\$100,000</b>	<b>\$100,000</b>	<b>\$20,000</b>

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Town Manager/Community Relations Office

**Project Title:** WTOB Digital Upgrade

**Project Location:** 300 South Main Street and 203 Washington Street

**Project Status:** Ongoing - Modified

**Description and Justification:**

In the 05-06 CIP, the Community Relations Office has reprioritized the phases of the WTOB digital upgrade to initiate the technological redesign of the Town Council Chambers. The audio-visual equipment as well as the video production equipment in the Chambers is out dated and essential components are beginning to fail. As part of this project, the Council Chambers technology set up will be completely redesigned and provisions will be made for a larger control room that is better equipped to accommodate the needs of the WTOB production staff.

**Phase one (03/04)** included a thorough study of the existing equipment and resources used by WTOB, and the subsequent purchase of equipment as deemed necessary through the study. The new MediaXtreme bulletin board system was one noticeable change made through phase one improvements. Complete.

**Phase two (04/05)** included the transition to a digital video server and applicable software, replacing the existing decks used for airing programs, DVCAM video tape recorders as necessary, and other possible technology implementations such as upgrades to streaming video capabilities. In progress due to partial year funding. Will continue with remaining funding and in future years CIP requests.

**Phase three (05/06)** Complete digital upgrade of Town Council Chambers to integrate seamlessly with WTOB Channel 2 upgrade at Five Chimneys, the Town's Technology department needs, as well as the provisions of the cable provider. Would include at a minimum new digital robotic cameras, digital video capturing, multi media presentation upgrades, control booth renovations, and lighting and projection improvements.

**Phase four (06/07)** Continuation of digital upgrade at the Five Chimneys location.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Fund	\$217,000	\$63,400	\$107,500					\$217,000	\$46,100
<b>Total</b>	<b>\$217,000</b>	<b>\$63,400</b>	<b>\$107,500</b>					<b>\$217,000</b>	<b>\$46,100</b>

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** Blacksburg Transit Multimodal Facility

**Project Location:** Perry Street

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**Project Status:** In Progress

**Description and Justification:**

Virginia Tech in conjunction with Blacksburg Transit is in the process of developing a centralized transit facility on campus to promote alternative transportation. The tentative location is on Perry Street, behind Cowgill / Whittemore Hall. The facility will include a large parking structure (600-800 cars), several retail businesses (i.e. coffee shop, bicycle repair, restaurants) and a multi-modal area for Blacksburg Transit. This major hub will include student amenities such as individual storage lockers, a large map of campus, a courtesy phone, an information kiosk, and a lobby space for customers to interact and wait for buses. In FY 04, Blacksburg Transit received concept funding; in FY 05 Blacksburg Transit requested A&E and in FY 06 Blacksburg Transit is requesting construction funding. As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$8,520,000	\$520,000	\$8,000,000					\$8,000,000	Continuing
State	\$590,000	\$50,000	\$540,000					\$540,000	Continuing
Local	\$1,226,000	\$80,000	\$1,460,000					\$1,460,000	Continuing
<b>Total</b>	<b>\$10,650,000</b>	<b>\$650,000</b>	<b>\$10,000,000</b>					<b>\$10,000,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** Staff Vehicle Replacement

**Project Location:** Blacksburg Transit Facility

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**Project Status:** In Progress

**Description and Justification:**

Blacksburg Transit has developed a replacement program for staff vehicles, which meets the local, state and federal regulations that govern public safety. The proposed schedule for staff vehicle replacement per fiscal year is as follows: FY 07- one maintenance manager vehicle and one operation staff vehicle; FY 08 - two administrative staff cars, one director vehicle and one operations manager vehicle; FY10 - one maintenance manager vehicle. As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$201,296	\$37,536		\$47,520	\$88,880		\$27,360	\$163,760	Continuing
State	\$18,704	\$3,754		\$3,326	\$8,888		\$2,736	\$14,950	Continuing
Local	\$31,620	\$5,630		\$8,554	\$13,332		\$4,104	\$25,990	Continuing
<b>Total</b>	<b>\$251,620</b>	<b>\$46,920</b>		<b>\$59,400</b>	<b>\$111,100</b>		<b>\$34,200</b>	<b>\$204,700</b>	



# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** BT Access Body on Chassis (BOC) Van Expansion

**Project Location:** Blacksburg Transit Facility

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**Project Status:** In Progress

**Description and Justification:**

Over the next five years, Blacksburg Transit would like to expand the fleet by six heavy duty BOCs. These buses are needed to help Blacksburg Transit achieve compliance with regulations with ADA. The proposed schedule for BOC Expansion per fiscal year is as follows: FY 06 – two heavy duty BOCs; FY 07 – two heavy duty BOCs; FY 08 – one heavy duty BOC; FY 10 – one heavy duty BOC. As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$521,600		\$169,600	\$172,800	\$88,000		\$91,200	\$521,600	Continuing
State	\$41,464		\$11,448	\$12,096	\$8,800		\$9,120	\$41,464	Continuing
Local	\$88,936		\$30,952	\$31,104	\$13,200		\$13,680	\$88,936	Continuing
<b>Total</b>	<b>\$652,000</b>		<b>\$212,000</b>	<b>\$216,000</b>	<b>\$110,000</b>		<b>\$114,000</b>	<b>\$652,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** BT Access Body on Chassis (BOC) Van Replacement

**Project Location:** Blacksburg Transit Facility

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**Project Status:** In Progress

**Description and Justification:**

Blacksburg Transit has developed a replacement program for the BOC and minivan fleet, which meets local, state, and federal regulations that govern public safety. The proposed schedule for BOC replacement per fiscal year is as follows: FY 06 – two heavy duty BOCs; FY 07 – one heavy duty BOC; FY 08 – none; FY 09 – three heavy duty BOCs; FY 10 – two heavy duty BOCs. As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$1,060,720	\$353,520	\$169,600	\$86,400		\$268,800	\$182,400	\$707,200	Continuing
State	\$97,282	\$34,666	\$11,448	\$6,048		\$26,880	\$18,240	\$62,616	Continuing
Local	\$167,898	\$53,714	\$30,952	\$15,552		\$40,320	\$27,360	\$114,184	Continuing
<b>Total</b>	<b>\$1,325,900</b>	<b>\$441,900</b>	<b>\$212,000</b>	<b>\$108,000</b>		<b>\$336,000</b>	<b>\$228,000</b>	<b>\$884,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** Completion of AVL Program

**Project Location:** Blacksburg Transit Facility

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**Project Status:** In Progress

**Description and Justification:**

Blacksburg Transit received (2) AVL grants in FY '01. After completing that project there was an additional \$363,483 remaining. This money was used to hire a systems integrator, AVAIL Technology, to implement a pilot AVL program at Blacksburg Transit. The cost to complete this pilot program is estimated to be \$535,000. As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$718,786	\$718,786							Continuing
State	\$69,739	\$69,739							Continuing
Local	\$109,958	\$109,958							Continuing
<b>Total</b>	<b>\$898,483</b>	<b>\$898,483</b>							

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** Fixed Route Bus Expansion

**Project Location:** Blacksburg Transit Facility

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**Project Status:** In Progress

**Description and Justification:**

Blacksburg Transit in conjunction with Virginia Tech is working on the development and construction of a multi-modal transportation center at Perry Street and preparing for ACC expansion (football and basketball). In response, Blacksburg Transit is requesting three new buses a year for the next 5 years. The proposed schedule for bus expansions per fiscal year is as follows: FY 06 – one 30' bus and two 40' buses; FY 07 – one 30' bus, one 35' bus, and one 40' bus; FY 08 – one 30' bus, one 35' bus, and one 40' bus; FY 09 - one 30' bus, one 35' bus, and one 40' bus; FY 10 - one 30' bus, one 35' bus, and one 40' bus. As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$4,285,600	\$669,120	\$703,840	\$708,480	\$721,600	\$734,720	\$747,840	\$3,616,480	Continuing
State	\$381,085	\$63,566	\$47,509	\$49,594	\$72,160	\$73,472	\$74,784	\$317,519	Continuing
Local	\$690,315	\$103,714	\$128,451	\$127,526	\$108,240	\$110,208	\$112,176	\$586,601	Continuing
<b>Total</b>	<b>\$5,357,000</b>	<b>\$836,400</b>	<b>\$879,800</b>	<b>\$885,600</b>	<b>\$902,000</b>	<b>\$918,400</b>	<b>\$934,800</b>	<b>\$4,520,600</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** Fixed Route Bus Replacement

**Project Location:** Blacksburg Transit Facility

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**Project Status:** In Progress

**Description and Justification:**

A replacement program for our base bus fleet has been developed and updated which meets the local, state, and federal regulations that govern public safety. The proposed schedule for bus replacements per fiscal year is as follows: FY 06 - two spare parts packages; FY 07 - eight 35' buses, three spare parts packages, and one spare engine; FY 08 - three 40' buses, one 35' bus, three spare parts packages and one spare engine; FY 09 - three 40' buses, one 35' bus, and two spare parts packages; FY 10 - three 35' buses, one 30' bus, two spare parts packages, and one spare engine. As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$5,172,320	\$16,000	\$33,920	\$1,958,720	\$1,070,400	\$1,028,480	\$1,064,800	\$5,156,320	Continuing
State	\$457,368	\$1,600	\$2,290	\$137,110	\$107,040	\$102,848	\$106,480	\$455,768	Continuing
Local	\$835,712	\$2,400	\$6,190	\$352,570	\$160,560	\$154,272	\$159,720	\$833,312	Continuing
<b>Total</b>	<b>\$6,465,400</b>	<b>\$20,000</b>	<b>\$42,400</b>	<b>\$2,448,400</b>	<b>\$1,338,000</b>	<b>\$1,285,600</b>	<b>\$1,331,000</b>	<b>\$6,445,400</b>	<b>Continuing</b>

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** Radio Replacement and Expansion Program

**Project Location:** Blacksburg Transit Facility

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**Project Status:** In Progress

**Description and Justification:**

Blacksburg Transit has developed a replacement and expansion program for radios to maintain our system. The proposed schedule for radio replacement per fiscal year is as follows: FY 06 – twenty batteries for handhelds; FY07 – ten batteries for handhelds and three radios; FY 08 – ten batteries for handhelds; FY 09 – ten batteries for handhelds; FY 10 – ten batteries for handhelds and three radios. As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$11,021	\$2,560	\$1,357	\$2,765	\$704	\$717	\$2,918	\$8,461	Continuing
State	\$976	\$256	\$92	\$194	\$70	\$72	\$292	\$720	Continuing
Local	\$1,782	\$384	\$248	\$498	\$106	\$108	\$438	\$1,398	Continuing
<b>Total</b>	<b>\$13,779</b>	<b>\$3,200</b>	<b>\$1,697</b>	<b>\$3,457</b>	<b>\$880</b>	<b>\$897</b>	<b>\$3,648</b>	<b>\$10,579</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** Shelter, Amenities, and Bike Rack Replacement and Expansion Program

**Project Location:** Town-wide

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**Project Status:** In Progress

**Description and Justification:**

Blacksburg Transit has put together an expansion /replacement program to maintain pace with the shelter needs in the community. Each year replacement parts and glass are needed for upkeep of current shelters. As routes are reviewed each year, shelters may be requested and installed at new stops. Replacement bike racks are needed each year due to damage and age. As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$79,540	\$19,300	\$14,320	\$14,800	\$8,160	\$8,960	\$14,000	\$60,240	Continuing
State	\$7,045	\$1,930	\$967	\$1,036	\$816	\$896	\$1,400	\$5,115	Continuing
Local	\$12,840	\$2,895	\$2,613	\$2,664	\$1,224	\$1,344	\$2,100	\$9,945	Continuing
<b>Total</b>	<b>\$99,425</b>	<b>\$24,125</b>	<b>\$17,900</b>	<b>\$18,500</b>	<b>\$10,200</b>	<b>\$11,200</b>	<b>\$17,500</b>	<b>\$75,300</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** Simulator Acquisition and on-going Maintenance Costs

**Project Location:** Blacksburg Transit Facility

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**Project Status:** In Progress

**Description and Justification:**

Blacksburg Transit will be proposing to purchase a Training Simulator in FY 07, in an effort to standardize the training procedures. By making this purchase, it will allow us to recreate accident scenes, reinforce consequences of poor judgment, improve scanning abilities and cover specific training objectives, in a cost & time effective manner. There is the potential that other town departments could utilize this equipment for their training (i.e. police, public works and defensive driving). As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$248,000			\$212,000	\$12,000	\$12,000	\$12,000	\$248,000	Continuing
State	\$18,440			\$14,840	\$1,200	\$1,200	\$1,200	\$18,440	Continuing
Local	\$43,560			\$38,160	\$1,800	\$1,800	\$1,800	\$43,560	Continuing
<b>Total</b>	<b>\$310,000</b>			<b>\$265,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$310,000</b>	



# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** Staff Vehicle Expansion

**Project Location:** Blacksburg Transit Facility

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**Project Status:** In Progress

**Description and Justification:**

The proposed schedule for staff vehicle expansion per fiscal year is as follows: FY 07 – one admin staff vehicle, one maintenance pick-up truck, one boom truck and one management staff vehicle; FY 08 – one operations staff vehicle; FY 09 – one admin staff vehicle; FY 10 – one maintenance staff vehicle. As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$194,864	\$23,664		\$107,392	\$22,000	\$20,608	\$21,200	\$171,200	Continuing
State	\$16,264	\$2,366		\$7,517	\$2,200	\$2,061	\$2,120	\$13,898	Continuing
Local	\$32,452	\$3,550		\$19,331	\$3,300	\$3,091	\$ 3,180	\$28,902	Continuing
<b>Total</b>	<b>\$243,580</b>	<b>\$29,580</b>		<b>\$134,240</b>	<b>\$27,500</b>	<b>\$25,760</b>	<b>\$26,500</b>	<b>\$214,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** Technology Replacement and Expansion Program

**Project Location:** Blacksburg Transit Facility

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**Project Status:** In Progress

**Description and Justification:**

In conjunction with the Technology Department, Blacksburg Transit has development a replacement and expansion program for computers, laptops, software and related technology. The proposed schedule for technology replacement per fiscal year is as follows: FY 06 – four laptops, fifteen computers and SQL data base; FY 07 – two lap tops and nine computers; FY 08 – two laptops and ten computers; FY 09 - two laptops and eleven computers; FY 10 – two laptops and twelve computers. As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$126,224	\$18,400	\$34,000	\$15,984	\$17,600	\$19,264	\$20,976	\$107,824	Continuing
State	\$11,038	\$1,840	\$2,295	\$1,119	\$1,760	\$1,926	\$2,098	\$9,198	Continuing
Local	\$20,518	\$2,760	\$6,205	\$2,877	\$2,640	\$2,890	\$3,146	\$17,758	Continuing
<b>Total</b>	<b>\$157,780</b>	<b>\$23,000</b>	<b>\$42,500</b>	<b>\$19,980</b>	<b>\$22,000</b>	<b>\$24,080</b>	<b>\$26,220</b>	<b>\$134,780</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** Transit Capital Assets Program

**Project Location:** Blacksburg Transit Facility

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**Project Status:** In Progress

**Description and Justification:**

This program will position Blacksburg Transit to have funds available for future capital acquisitions.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal									Continuing
State									Continuing
Local	\$200,000			\$50,000	\$50,000	\$50,000	\$50,000	\$200,000	Continuing
<b>Total</b>	<b>\$200,000</b>			<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$200,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** Transit Facility Maintenance Cost program

**Project Location:** Blacksburg Transit Facility

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**Project Status:** In Progress

**Description and Justification:**

Each year there are several regular maintenance requirements for the transit facility, which are eligible for capital funding. In addition, to maintaining our state-of-the-art maintenance facility, new equipment will be required in the future. As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$232,000	\$40,000	\$32,000	\$40,000	\$40,000	\$40,000	\$40,000	\$192,000	Continuing
State	\$20,800	\$3,840	\$2,160	\$2,800	\$4,000	\$4,000	\$4,000	\$16,960	Continuing
Local	\$37,200	\$6,160	\$5,840	\$7,200	\$6,000	\$6,000	\$6,000	\$31,040	Continuing
<b>Total</b>	<b>\$290,000</b>	<b>\$50,000</b>	<b>\$40,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$240,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Transit

**Project Title:** Transit Facility Expansion and Furnishings

**Project Location:** Blacksburg Transit Facility

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**Project Status:** In Progress

**Description and Justification:**

Blacksburg Transit has received several grants totaling \$ 3,650,000 for upgrades to the current transit facility. With the planning and engineering phases nearing completion in FY 05, construction of this improvement is set for spring of 2005. Additional funds are needed in FY 06 for building and technology upgrades. As with all transit capital projects, if grants are unavailable the project may be deferred.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Federal	\$3,440,000	\$2,800,000	\$480,000	\$160,000				\$640,000	Continuing
State	\$323,600	\$280,000	\$32,400	\$11,200				\$43,600	Continuing
Local	\$536,400	\$420,000	\$87,600	\$28,800				\$116,400	Continuing
<b>Total</b>	<b>\$4,300,000</b>	<b>\$3,500,000</b>	<b>\$600,000</b>	<b>\$200,000</b>				<b>\$800,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Finance (Utility Billing)

**Project Title:** RadioRead Vehicle Transceiver Unit (VXU) Replacement/Upgrade

**Project Location:** Town-wide

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**Project Status:** Continuing

**Description and Justification:**

The purpose of this project is to set aside funding for the replacement of our current VXU which is now six years old. As technology advances and changes almost daily, this project would allow for the Automated Meter Reading system to be upgraded and improved.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Water/Sewer Fund	Continuing	\$14,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$35,000	continuing
<b>Total</b>	Continuing	\$14,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$35,000	continuing

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Finance (Utility Billing)

**Project Title:** Meter Maintenance and Replacement

**Project Location:** Town-wide

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**Project Status:** Continuing

**Description and Justification:**

The purpose of this project is to set aside funding to replace the batteries in the electronically read meters and to provide funding to replace 1 to 2 inch meters as needed. Funding would allow a more systematic proactive approach to meter maintenance and replacement to prevent mass replacement of 1 and 2 inch meters in the future.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Water/ Sewer Fund	Continuing	\$146,526	\$21,000	\$21,000	\$21,000	\$21,000	\$21,000	\$105,000	Continuing
<b>Total</b>	Continuing	\$146,526	\$21,000	\$21,000	\$21,000	\$21,000	\$21,000	\$105,000	Continuing

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Planning and Engineering

**Project Title:** Water System Upgrades

**Project Location:** Southeast End of Town

**Project Status:** In Progress

**Description and Justification:**

This project involves upgrading existing water lines in the high system service area to address problem areas within the system where future fire flow demands cannot be obtained due to the size of the lines. There is a major portion of the high system that contains 6-inch water lines and any future development is limited because the 6-inch lines will not provide adequate fire flow once the development is constructed. This project will upgrade these lines to a minimum 8-inches in diameter. The top four priorities are: 1) Rainbow Ridge to Carlson Drive to Forest Hill Drive to Landsdowne; 2) Landsdowne to end of Shelor Lane; 3) Palmer Drive to Sunrise Drive to Hillcrest Drive back to Palmer Drive loop; 4) Country Club Drive near Highland Park Tanks down Crestview Drive to intersection of Sunrise and Palmer Drive

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Water/Sewer Fund	\$477,921		\$100,000		\$235,140	\$142,781		\$477,921	
<b>Total</b>	<b>\$477,921</b>		<b>\$100,000</b>		<b>\$235,140</b>	<b>\$142,781</b>		<b>\$477,921</b>	



# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Planning and Engineering

**Project Title:** Water Tank Replacement

**Project Location:** Palmer Drive-Highland Park Water Tank

**Project Status:** In Progress

**Description and Justification:**

This project provides for the replacement of the two Highland Park concrete tanks. The Town's water tanks were inspected in 1997 and the inspections indicated that a considerable amount of maintenance would be required on the Highland Park Tanks. It was recommended that the tanks be replaced in three to five years. Based on preliminary engineering reports, the most cost efficient replacement alternative would be to construct two, 1.0 million gallon tanks on the site to replace the two existing tanks. The new 2.0 million gallon tank on this site is expected to be placed into service in the Fall of 2004. Currently, the preliminary design of the two, 1.0 million gallon tanks is being completed. Final design is expected to be completed by Spring 2005 and construction planned for Summer 2005.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
General Obligation Bonds	\$1,800,000		\$1,800,000					\$1,800,000	
Water/Sewer Fund	\$11,250		\$11,250					\$11,250	
<b>Total</b>	<b>\$1,811,250</b>		<b>\$1,811,250</b>					<b>\$1,811,250</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Planning and Engineering

**Project Title:** Coal Bank Ridge Water Storage Facility

**Project Location:** Coal Bank Ridge Subdivision

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**Project Status:** New

**Description and Justification:**

The Coal Bank Ridge Subdivision, a subdivision with the majority of the lots located out of the Town's corporate limits, provided the Town a lot on which to construct a water tank as a part of the agreement to provide water service to the subdivision. A 2 million gallon tank can be constructed on this lot. This tank will increase the water storage capabilities of the Town and help to meet the goal of providing 48 hours storage in the event of an emergency that results in a loss of water supply from the Water Authority.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Water/Sewer Fund	\$973,840					\$94,192	\$726,924	\$821,116	\$152,724
<b>Total</b>	<b>\$973,840</b>					<b>\$94,192</b>	<b>\$726,924</b>	<b>\$821,116</b>	<b>\$152,724</b>

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Planning and Engineering

**Project Title:** Sewer System Upgrade

**Project Location:** Town-wide

**Project Status:** Ongoing

**Description and Justification:**

Funding for this project is directly related to the Environmental Management System and Pollution Prevention Program whose goal is **to reduce sanitary sewer overflows**. This project will assist in meeting this by replacing critical section of sewer that cause sanitary sewer overflows (SSO's). Year 2005/06 will be used to provide an upgrade to the main, through the use of an additional line, from Kabrich Street downstream to the Virginia Tech campus boundary. Additionally, funding is included in year 2005/06 for 30% of the replacement of the line running from Prices Fork Rd. to Duck Pond Drive. Also included in this year is 50% of the funding for a 24" line to be extended from University City Boulevard to Duck Pond Drive to replace two lines, Town and Tech lines, that are currently old and undersized for the future.

Future allocations will be used to upgrade critical sections of sewer lines along Green St, Clover, and Harding Avenue, Lucas Drive and Berryfield. Final years fund Roanoke and Otey Street upgrades.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Water/ Sewer Fund	\$962,493		\$435,527	\$160,000	\$242,322	\$62,322	\$62,322	\$962,493	
<b>Total</b>	\$962,493		\$435,527	\$160,000	\$242,322	\$62,322	\$62,322	\$962,493	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Planning and Engineering

**Project Title:** Water Age Improvements

**Project Location:** Townwide

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**Project Status:** New

**Description and Justification:**

Recently, issues with water circulation and demand have created problems with water age within the distribution system. Water age can increase the probability of problems with disinfectant by-products and loss of disinfectant which in turn create issues with meeting current and proposed future EPA water quality regulations. Three projects are proposed to address these concerns. One is the construction of a 12-inch water line connection from the existing dead-end in North Main Street to the new 12-inch line installed for the Coal Bank Ridge Subdivision. This connection will provide for increased water circulation and lessen the potential for issues with water age within this section of water line. The next project is to install additional interior or exterior piping and valving for the Neil Street and Alleghany Street water tanks to allow for better water circulation within the tanks. This piping will be constructed in the new Highland Park tanks as a part of the initial construction. Concurrently with these construction projects an engineering study to determine the water age within the distribution system will be conducted. This study will locate potential sections of the system that contains "older" water and outline any additional work that may be required.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Water/Sewer Fund	\$305,030		\$305,030					\$305,030	
<b>Total</b>	<b>\$305,030</b>		<b>\$305,030</b>					<b>\$305,030</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Planning and Engineering

**Project Title:** Waterline Extension

**Project Location:** Old Mill Road

**Project Status:** In Progress

**Description and Justification:**

This project provides for the extension of water mains into currently developed areas within the Corporate Limits that do not have public water. Extending the main along Old Mill Road is the next project. In order to provide a looped system and alleviate any potential water age issues, the project includes tying the Old Mill Road main into the existing water line in Boxwood Drive.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Water/Sewer Fund	\$743,159		\$10,000	\$555,043				\$565,043	\$178,116
<b>Total</b>	<b>\$743,159</b>		<b>\$10,000</b>	<b>\$555,043</b>				<b>\$565,043</b>	<b>\$178,116</b>

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Planning and Engineering

**Project Title:** Water Storage Facility

**Project Location:** Golf Course

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**Project Status:** In Progress

**Description and Justification:**

This project provides for the design and construction of a water storage facility and construction of connecting water mains required for the facility. This facility will increase the water storage capacity of the Town by ½ million gallons.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Water/Sewer Fund	\$1,395,000		\$95,000	\$1,300,000				\$1,395,000	
<b>Total</b>	\$1,395,000		\$95,000	\$1,300,000				\$1,395,000	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Public Works

**Project Title:** EMS/P2 Program - Sanitary Sewer Inflow & Infiltration Abatement

**Project Location:** Town-wide

**Project Status:** In Progress

**Description and Justification:**

This project supports the Environmental Management System/Pollution Prevention (EMS/P2) program objective to ***“identify, prioritize, and reduce at risk locations for potential surcharge SSO’s in Blacksburg”***. This project provides for the ongoing repair, replacement and lining of old and/or broken sanitary sewer lines that do not provide adequate service and are at high-risk for inflow and infiltration. Many of these lines have been in service over sixty years. This project provides for the rehabilitation of high-risk manholes, to include the installation of watertight manhole lids, to address inflow and infiltration problems in surcharging lines. Funding in FY 2005/06 would focus on the Draper Road and Webb Street sewer sheds. FY 2005/06 funding includes an additional \$50,000 for an I&I abatement study of the Cedar Run sewer shed. FY 2006/07 funding would focus on implementing the I&I abatement recommendations of this study. Each fiscal year includes \$10,000 for I&I education efforts. The following sewer inflow and infiltration abatement measures could be accomplished each year at the funding levels proposed:

Sewer Lining Costs:	3,000 lf. @\$37 per lf.	\$111,000
Manhole Rehabilitation:	50 Manholes @ \$1,500 per manhole	\$ 75,000
Watertight Manholes:	100 lids @ \$200 each	<u>\$ 20,000</u>
<b>Total:</b>		<b>\$206,000</b>

Specific locations for these inflow and infiltration abatement measures would be determined each year as warranted by sanitary sewer flow meters, model projections, and field observations.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Water/Sewer Fund	continuing	continuing	\$250,000	\$216,000	\$216,000	\$216,000	\$216,000	\$1,114,000	continuing
<b>Total</b>	continuing	continuing	\$250,000	\$216,000	\$216,000	\$216,000	\$216,000	\$1,114,000	continuing

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Public Works

**Project Title:** Truck Mounted Sewer Cleaner

**Project Location:** Various Locations

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**Project Status:** New

### **Description and Justification:**

This project provides funding for the purchase of a truck mounted sewer cleaner. This equipment is needed to clean larger sewer lines and storm drain lines. If the line is collecting debris it restricts the flow of the line. The existing sewer washer is adequate for lines less than 12", but for larger lines the truck mounted sewer cleaner will provide the necessary water flow to properly clean the bigger lines. This would include the larger sewer lines downtown and on Webb Street. This truck mounted sewer cleaner could also be used to clean storm drain pipes by Street Division crews.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Water/ Sewer Fund	\$115,000		\$115,000					\$115,000	
<b>Total</b>	\$115,000		\$115,000					\$115,000	



# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Public Works

**Project Title:** Utility Division Building Addition

**Project Location:** Public Works Complex

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**Project Status:** In Progress

### **Description and Justification:**

This project provides for the construction of a 50'x 50' addition to the existing utility storage building at the Public Works complex. This addition is needed to provide protection from the weather for specialized equipment that presently are being housed in the back of the warehouse. This includes the sewer tv truck, the sewer washer, the new vacuum excavator, and the new asphalt milling machine. By removing this equipment from the back of the warehouse, a significant amount of space will be freed up to accommodate additional work and storage space needs of the Properties Division. It will also allow the Utility Division to relocate the utility meter room out of the warehouse and group all of the Utility Division equipment, tools, material, and work space in one location. The vacated utility meter room would allow for the expansion of the traffic engineering work area.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Water/Sewer Fund	\$50,000				\$50,000			\$50,000	
<b>Total</b>	<b>\$50,000</b>				<b>\$50,000</b>			<b>\$50,000</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Public Works

**Project Title:** Water Main Replacements

**Project Location:** Town-wide

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**Project Status:** In Progress

### **Description and Justification:**

This project provides funding to upgrade undersized water lines that restrict flow, reduce pressure, and do not provide adequate fire protection at various locations in the Town's water system. The smaller lines account for the majority of leaks experienced throughout the year. The lines will be replaced with standard 8-inch mains. Many of these small lines are galvanized pipe, are more than 15 years of age, and have corroded to a stage that severely restricts the flow. In many cases, over ½ of the inside diameter is blocked by corrosion. The prior allocation funding will be used to complete the Giles Road water main replacement. This project was delayed to complete the HUD area water main replacements in FY 2004/05. A project list is attached.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Water/Sewer Fund	continuing	continuing	\$73,750	\$59,513	\$77,300	\$55,450	\$28,314	\$294,327	continuing
<b>Total</b>	continuing	continuing	\$73,750	\$59,513	\$77,300	\$55,450	\$28,314	\$294,327	continuing

# Water Main Replacement Projects

## FY 2005/06 - 2009/10

Streets to be Effected	(feet) Length	Cost	Comments
<b>FY 2005/2006</b>			
Apartment Heights Drive	800	\$20,000	Replace 2-inch line
Lucas Drive (N. Main to Turner St.)	1,950	\$48,750	Replace 4-inch line
Fire hydrant relocation (Palmer Drive & Maple Drive)		\$5,000	
<b>TOTAL</b>		<b>\$73,750</b>	
<b>FY 2006/2007</b>			
Forest Hill Drive (Grissom Lane to Greenwood Drive)	700	\$17,500	Replace 2-inch line
Dunton Drive	1,400	\$35,000	Replace 2-inch line
Jackson Street (Alley)	200	\$5,000	Replace 2-inch line
Subtotal		\$57,500	
Inflation @3.5%		\$2,013	
<b>TOTAL</b>		<b>\$59,513</b>	
<b>FY 2007/2008</b>			
Progress Street (N. Main St. to Giles Rd.)	950	\$23,750	Replace 4-inch line
Glade Road (Boxwood to Linwood)	2000	\$50,000	Replace 6-inch line
Subtotal		\$73,750	
Inflation @7.1%		\$3,550	
<b>TOTAL</b>		<b>\$77,300</b>	
<b>FY 2008/2009</b>			
Dickerson Lane (Franklin to Northview)	1200	\$30,000	Replace 4-inch line
Roanoke Street (from Orchard west 800-ft)	800	\$20,000	Replace 2-inch line
Subtotal		\$50,000	
Inflation @10.9%		\$5,450	
<b>TOTAL</b>		<b>\$55,450</b>	
<b>FY 2009/10</b>			
Faculty Street (Main Street to Progress Street)	390	\$9,750	Replace 4-inch line
Alley (between Faculty Street and Wilson Avenue)	400	\$10,000	Replace 1-inch line
Wilson Avenue (from alley to Progress Street)	200	\$5,000	Replace 1-inch line
Subtotal		\$24,750	
Inflation @ 14.4%		\$3,564	
<b>TOTAL</b>		<b>\$28,314</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Parks and Recreation

**Project Title:**

**Project Location:** Golf Course

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**Project Status:** There are no projects for the golf course fund in this Recommended Capital Improvement Program.

**Description and Justification:**

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
<b>Total</b>									

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

**Department:** Public Works

**Project Title:** Major Equipment Purchase

**Project Location:** Town-wide

**Project Status:** In Progress

### **Description and Justification:**

The following pages list the equipment scheduled to be purchased over the next five years. Pieces fully depreciated will be purchased from the Equipment Depreciation Fund instead of the various operating funds. Each piece of equipment is inspected prior to being included on the upcoming years' lists to determine if the piece of equipment can provide additional service life. See attached pages for the Detailed Depreciation Schedule.

### **Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Equipment Depreciation Fund	continuing	continuing	\$788,000	\$504,000	\$814,000	\$834,000	\$777,000	\$3,717,000	continuing
Vehicle Lease Payments									
<b>Total</b>	continuing	continuing	\$788,000	\$504,000	\$814,000	\$834,000	\$777,000	\$3,717,000	continuing

# MAJOR EQUIPMENT PURCHASES FY 2006-2010

FY Replacement 2006

Equip #	Vehicle #	Description	FY Aquired	Life	Replacement Cost	Depreciation	FY Replacement
<b>General Fund</b>							
50	AS-702	Grader	1989	17	\$90,000.00	5,294	2006
9902	EG-401	Truck-Pick-up- Steele	1999	7	\$20,000.00	2,857	2006
50016	FD-16	Truck-Pick-up, 3/4 ton 4WD	1999	7	\$30,000.00	4,286	2006
9903	GP-101	SUV, Full Size	1999	7	\$30,000.00	4,286	2006
9468	GR-804	Mower-Tractor w/Flail Arm	1995	11	\$55,000.00	5,000	2006
98109	HT-503	Truck-Bucket	1998	7	\$50,000.00	7,143	2006
94120	HT-901	Stump Grinder	1995	11	\$12,000.00	1,091	2006
32981	PD-981	SUV, Full Size	1999	7	\$30,000.00	4,286	2006
32986	PD-986	SUV, Standard	1999	7	\$22,000.00	3,143	2006
32987	PD-987	SUV, Standard	1999	7	\$22,000.00	3,143	2006
33995	PD-995	SUV, Full Size	1999	7	\$30,000.00	4,286	2006
349	PL-802	Mowers (6)	2000	6	\$42,000.00	7,000	2006
360	RS-02	First Response Vehicle	1999	7	\$30,000.00	4,286	2006
396	RS-56	Ambulance-Type II	1999	7	\$115,000.00	16,429	2006
9904	ST-101	SUV, Full Size	1999	7	\$30,000.00	4,286	2006
9298	SW-702	Unitloader	1993	12	\$42,000.00	3,500	2006
<b>Fund Total:</b>					<b>\$650,000.00</b>	<b>80,314</b>	
<b>Golf Fund</b>							
427	GC-806	Mower-Toro 6' Front Deck	2000	6	\$14,000.00	2,333	2006
<b>Fund Total:</b>					<b>\$14,000.00</b>	<b>2,333</b>	
<b>Water &amp; Sewer Fund</b>							
9514	SE-501	Truck-Dump	1996	9	\$50,000.00	5,556	2006
393	WA-401	Truck-Pick-up, 3/4 ton 4WD	1999	7	\$30,000.00	4,286	2006
9906	UT-101	SUV, Full Size	1999	7	\$30,000.00	4,286	2006
<b>Fund Total:</b>					<b>\$110,000.00</b>	<b>14,127</b>	
<b>Waste Management Fund</b>							
506	WM-901	Leaf Machine	1996	10	\$14,000.00	1,400	2006
<b>Fund Total:</b>					<b>\$14,000.00</b>	<b>1,400</b>	
<b>Fiscal Year Total</b>					<b>\$788,000.00</b>	<b>\$98,173.92</b>	

# MAJOR EQUIPMENT PURCHASES FY 2006-2010

FY Replacement 2007

Equip #	Vehicle #	Description	FY Aquired	Life	Replacement Cost	Depreciation	FY Replacement
<b>General Fund</b>							
364	RC-102	SUV, Standard	2000	7	\$22,000.00	3,143	2007
9722	AS-501	Truck-Dump, Tandem	1998	9	\$70,000.00	7,778	2007
9733	HT-501	Truck-Dump, Flatbed	1998	9	\$45,000.00	5,000	2007
95102	HT-702	Unloader	1996	11	\$42,000.00	3,818	2007
33931	PD-931	Van, Evidence	1994	13	\$55,000.00	4,231	2007
358	PL-801	Mowers (6)	2001	6	\$42,000.00	7,000	2007
395	RS-03	First Response Vehicle	2000	7	\$40,000.00	5,714	2007
401	RS-04	Sedan, Full Size	2000	7	\$23,000.00	3,286	2007
	SW-701	Backhoe	1997	10	\$65,000.00	6,500	2007
				<b>Fund Total:</b>	<b>\$404,000.00</b>	<b>46,470</b>	
<b>Golf Fund</b>							
413	GC-402	Truck-Pick-up	2000	7	\$20,000.00	2,857	2007
				<b>Fund Total:</b>	<b>\$20,000.00</b>	<b>2,857</b>	
<b>Water &amp; Sewer Fund</b>							
26	PS-402	Truck-Pick-up, 3/4 ton 4WD	2000	7	\$30,000.00	4,286	2007
7	SE-402	Truck-Pick-up, 3/4 ton 4WD	2000	7	\$30,000.00	4,286	2007
9939	UB-402	Truck-Pick-up	2000	7	\$20,000.00	2,857	2007
				<b>Fund Total:</b>	<b>\$80,000.00</b>	<b>11,429</b>	
<b>Fiscal Year Total</b>					<b>\$504,000.00</b>	<b>\$60,755.30</b>	

# **MAJOR EQUIPMENT PURCHASES FY 2006-2010**

FY Replacement 2008

<b>Equip #</b>	<b>Vehicle #</b>	<b>Description</b>	<b>FY Aquired</b>	<b>Life</b>	<b>Replacement Cost</b>	<b>Depreciation</b>	<b>FY Replacement</b>
<b><u>General Fund</u></b>							
457	HD-201	Sedan, Economy	2001	7	\$14,000.00	2,000	2008
456	HD-202	Sedan, Economy	2001	7	\$14,000.00	2,000	2008
459	RC-201	Sedan, Economy	2001	7	\$14,000.00	2,000	2008
93	BD-403	Truck-Pick-up, 3/4 ton 4WD	2001	7	\$35,000.00	5,000	2008
425	CH-101	SUV, Standard	2001	7	\$22,000.00	3,143	2008
423	EG-105	SUV, Standard-Kathy	2001	7	\$22,000.00	3,143	2008
406	EO-101	SUV, Economy	2001	7	\$19,000.00	2,714	2008
419	EO-402	Truck-Pick-up, 1 ton 4WD	2001	7	\$40,000.00	5,714	2008
486	FD-23	Sedan, Full Size	2001	7	\$23,000.00	3,286	2008
485	FD-24	Sedan, Full Size	2001	7	\$23,000.00	3,286	2008
466	GR-402	Truck-Pick-up, 3/4 ton 4WD	2001	7	\$30,000.00	4,286	2008
433	MP-101	SUV, Economy	2001	7	\$19,000.00	2,714	2008
434	MP-102	SUV, Economy	2001	7	\$19,000.00	2,714	2008
435	MP-401	Truck-Pick-up, F550 ton 4WD	2001	7	\$40,000.00	5,714	2008
420	PD-005	SUV, Standard	2001	7	\$22,000.00	3,143	2008
443	PD-011	SUV, Full Size	2001	7	\$30,000.00	4,286	2008
460	PI-301	Van, Standard	2001	7	\$25,000.00	3,571	2008
467	PK-401	Truck-Pick-up, 3/4 ton 4WD	2001	7	\$30,000.00	4,286	2008
426	PN-101	SUV, Standard-Gregg	2001	7	\$22,000.00	3,143	2008
424	PW-101	SUV, Standard	2001	7	\$22,000.00	3,143	2008
465	RC-304	Van, 20-Passenger	2001	7	\$43,000.00	6,143	2008
479	RC-305	Van, Mini	2001	7	\$20,000.00	2,857	2008
487	RS-50	Ambulance-Type II	2001	7	\$115,000.00	16,429	2008
96126	SD-702	Uniloder	1997	11	\$42,000.00	3,818	2008
				<b>Fund Total:</b>	<b>\$705,000.00</b>	<b>98,532</b>	
<b><u>Water &amp; Sewer Fund</u></b>							
417	SE-301	Van, 4WD	1999	9	\$30,000.00	3,333	2008
98169	SE-701	Backhoe	1998	10	\$65,000.00	6,500	2008
				<b>Fund Total:</b>	<b>\$95,000.00</b>	<b>9,833</b>	
<b><u>Waste Management Fund</u></b>							
95101	WM-904	Leaf Machine	1996	12	\$14,000.00	1,167	2008
				<b>Fund Total:</b>	<b>\$14,000.00</b>	<b>1,167</b>	
<b>Fiscal Year Total</b>					<b>\$814,000.00</b>	<b>\$109,532.47</b>	



# MAJOR EQUIPMENT PURCHASES FY 2006-2010

FY Replacement 2009

Equip #	Vehicle #	Description	FY Aquired	Life	Replacement Cost	Depreciation	FY Replacement
<b>General Fund</b>							
98172	AS-603	Paver-Asphalt	1998	11	\$32,000.00	2,909	2009
557	BD-401	SUV, Economy	2002	7	\$19,000.00	2,714	2009
555	BD-405	Truck-Pick-up, 3/4 ton 4WD	2002	7	\$35,000.00	5,000	2009
50009	FD-09	Pumper	1988	21	\$400,000.00	19,048	2009
511	FI-101	SUV, Economy	2002	7	\$19,000.00	2,714	2009
95138	GR-803	Mower-Front Deck	2002	7	\$14,000.00	2,000	2009
556	HT-402	Truck-Pick-up, 3/4 ton 4WD	2002	7	\$20,000.00	2,857	2009
517	HT-404	Truck-Pick-up, 1 ton 4WD	2002	7	\$30,000.00	4,286	2009
512	PD-021	Sedan, Full Size	2002	7	\$23,000.00	3,286	2009
514	PD-022	Sedan, Full Size	2002	7	\$23,000.00	3,286	2009
513	PD-023	Sedan, Full Size	2002	7	\$23,000.00	3,286	2009
534	PD-024	Sedan, Full Size	2002	7	\$23,000.00	3,286	2009
510	PD-025	Sedan, Full Size	2002	7	\$23,000.00	3,286	2009
518	PD-026	Sedan, Full Size	2002	7	\$23,000.00	3,286	2009
515	PL-101	SUV, Standard	2002	7	\$22,000.00	3,143	2009
516	TE-401	Truck-Bucket	2002	7	\$50,000.00	7,143	2009
588	TM-101	SUV, Mid-Size	2004	5	\$25,000.00	5,000	2009
<b>Fund Total:</b>					<b>\$804,000.00</b>	<b>76,528</b>	
<b>Water &amp; Sewer Fund</b>							
522	SE-403	Truck-Pick-up, 3/4 ton DRW	2002	7	\$30,000.00	4,286	2009
<b>Fund Total:</b>					<b>\$30,000.00</b>	<b>4,286</b>	
<b>Fiscal Year Total</b>					<b>\$834,000.00</b>	<b>\$80,813.85</b>	

# **MAJOR EQUIPMENT PURCHASES FY 2006-2010**

FY Replacement 2010

<b>Equip #</b>	<b>Vehicle #</b>	<b>Description</b>	<b>FY Aquired</b>	<b>Life</b>	<b>Replacement Cost</b>	<b>Depreciation</b>	<b>FY Replacement</b>
<b><u>General Fund</u></b>							
	PL-901	Leaf Boxes	2005	5	\$24,000.00	4,800	2010
452	AS-502	Truck-Dump	2001	9	\$55,000.00	6,111	2010
454	AS-503	Truck-Dump, 4WD	2001	9	\$65,000.00	7,222	2010
397	AS-607	Sweeper-Street	2000	10	\$101,000.00	10,100	2010
9586	CE-401	Truck-Pick-up, 3/4 ton 4WD	2003	7	\$25,000.00	3,571	2010
304	HT-504	Truck-Water	1999	11	\$50,000.00	4,545	2010
566	PK-402	Truck-Pick-up, 3/4 ton 4WD	2003	7	\$30,000.00	4,286	2010
453	SD-501	Truck-Dump	2001	9	\$55,000.00	6,111	2010
448	SD-502	Truck-Dump	2001	9	\$55,000.00	6,111	2010
462	SW-501	Truck-Dump	2001	9	\$55,000.00	6,111	2010
				<b>Fund Total:</b>	<b>\$515,000.00</b>	<b>58,969</b>	
<b><u>Water &amp; Sewer Fund</u></b>							
9561	SE-904	Sewer Washer	2005	5	\$38,000.00	7,600	2010
450	WA-501	Truck-Dump	2001	9	\$50,000.00	5,556	2010
447	WA-502	Truck-Dump, Tandem	2001	9	\$60,000.00	6,667	2010
				<b>Fund Total:</b>	<b>\$148,000.00</b>	<b>19,822</b>	
<b><u>Waste Management Fund</u></b>							
449	WM-501	Truck-Dump	2001	9	\$50,000.00	5,556	2010
451	WM-502	Truck-Dump	2001	9	\$50,000.00	5,556	2010
507	WM-907	Leaf Machine	2002	8	\$14,000.00	1,750	2010
				<b>Fund Total:</b>	<b>\$114,000.00</b>	<b>12,861</b>	
<b>Fiscal Year Total</b>					<b>\$777,000.00</b>	<b>\$91,652.60</b>	

# MAJOR EQUIPMENT PURCHASES FY 2006-2010

FY Replacement 2011

Equip #	Vehicle #	Description	FY Aquired	Life	Replacement Cost	Depreciation	FY Replacement
<b>General Fund</b>							
444	AS-701	Backhoe	2001	10	\$65,000.00	6,500	2011
9953	AS-703	Loader	1999	12	\$89,000.00	7,417	2011
9462	AS-902	Arrow Board	1995	16	\$10,000.00	625	2011
458	CE-701	Backhoe	2001	10	\$65,000.00	6,500	2011
606	EG-102	SUV, Standard-Sam	2004	7	\$30,000.00	4,286	2011
50011	FD-13	SUV, Full Size	2004	7	\$30,000.00	4,286	2011
625	HT-401	Truck-Pick-up, 1/2 ton 4WD	2004	7	\$20,000.00	2,857	2011
628	HT-403	Truck-Pick-up, F550 4WD	2004	7	\$40,000.00	5,714	2011
9789	HT-802	Gator	1998	13	\$10,000.00	769	2011
605	IN-101	SUV, Standard-Daniel	2004	7	\$22,000.00	3,143	2011
464	SD-701	Backhoe	2001	10	\$65,000.00	6,500	2011
590	SW-401	Truck-Pick-up, 3/4 ton 4WD	2004	7	\$35,000.00	5,000	2011
				<b>Fund Total:</b>	<b>\$481,000.00</b>	<b>53,597</b>	
<b>Golf Fund</b>							
624	GC-812	Mowers - (2)	2005	6	\$14,000.00	2,333	2011
				<b>Fund Total:</b>	<b>\$14,000.00</b>	<b>2,333</b>	
<b>Water &amp; Sewer Fund</b>							
9095	PS-403	Truck-Pick-up, 3/4 ton 4WD	2004	7	\$30,000.00	4,286	2011
422	WA-704	Unloader	2000	11	\$42,000.00	3,818	2011
				<b>Fund Total:</b>	<b>\$72,000.00</b>	<b>8,104</b>	
		<b>Fiscal Year Total</b>			<b>\$567,000.00</b>	<b>\$64,033.84</b>	

# MAJOR EQUIPMENT PURCHASES FY 2006-2010

FY Replacement 2012

Equip #	Vehicle #	Description	FY Aquired	Life	Replacement Cost	Depreciation	FY Replacement
<b>General Fund</b>							
9841	AM-201	Bus, 20-Passenger	2005	7	\$55,000.00	7,857	2012
96130	AS-401	Sedan, Full Size	2005	7	\$23,000.00	3,286	2012
9895	BD-402	Truck-Pick-up, 3/4 ton 4WD	2005	7	\$35,000.00	5,000	2012
98136	EG-103	Truck-Pick-up, 3/4 ton 4WD	2005	7	\$35,000.00	5,000	2012
32975	PD-051	SUV, Standard- Lisa	2005	7	\$22,000.00	3,143	2012
32976	PD-052	SUV, Full Size	2005	7	\$30,000.00	4,286	2012
32977	PD-053	Sedan, Full Size	2005	7	\$23,000.00	3,286	2012
32978	PD-054	SUV, Full Size	2005	7	\$30,000.00	4,286	2012
32979	PD-055	Sedan, Full Size	2005	7	\$23,000.00	3,286	2012
32	RC-302	Sedan, Full Size	2005	7	\$23,000.00	3,286	2012
93114	RC-401	Van, 15-Passenger	2005	7	\$28,000.00	4,000	2012
4061	RS-01	Truck-Pick-up	2005	7	\$20,000.00	2,857	2012
4053	RS-53	SUV, Full Size	2005	7	\$30,000.00	4,286	2012
9811	SD-401	Ambulance-4WD	2005	7	\$115,000.00	16,429	2012
436	SW-901	Truck-Pick-up, 3/4 ton 4WD	2005	7	\$35,000.00	5,000	2012
		Air Compressor	2001	11	\$14,000.00	1,273	2012
		Truck-Pick-up, 1/2 ton 4WD	2005	7	\$20,000.00	2,857	2012
		<b>Fund Total:</b>			<b>\$561,000.00</b>	<b>79,416</b>	
<b>Water &amp; Sewer Fund</b>							
9827	PS-401	Truck-Pick-up, 3/4 ton 4WD	2005	7	\$30,000.00	4,286	2012
96131	SE-401	Truck-Pick-up, 3/4 ton 4WD	2005	7	\$30,000.00	4,286	2012
436	SE-901	Air Compressor	2001	11	\$14,000.00	1,273	2012
622	UT-401	Truck-Pick-up, 1/2 ton 4WD	2005	7	\$25,000.00	3,571	2012
455	WA-703	Loader	2000	12	\$89,000.00	7,417	2012
428	WA-902	Air Compressor	2001	11	\$14,000.00	1,273	2012
		<b>Fund Total:</b>			<b>\$202,000.00</b>	<b>22,105</b>	
<b>Waste Management Fund</b>							
96125	WM-401	Truck-Pick-up, 1/2 ton 4WD	2005	7	\$20,000.00	2,857	2012
9383	WM-905	Leaf Machine	2005	7	\$14,000.00	2,000	2012
		<b>Fund Total:</b>			<b>\$34,000.00</b>	<b>4,857</b>	
<b>Fiscal Year Total</b>					<b>\$797,000.00</b>	<b>\$106,377.71</b>	

# MAJOR EQUIPMENT PURCHASES FY 2006-2010

FY Replacement 2013

Equip #	Vehicle #	Description	FY Aquired	Life	Replacement Cost	Depreciation	FY Replacement
<b>General Fund</b>							
445	AS-604	Roller-Asphalt	2000	13	\$30,000.00	2,308	2013
483	BD-801	Genie Hydraulic Lift	2001	12	\$18,000.00	1,500	2013
461	CE-801	Tractor, 32 HP	2001	12	\$19,000.00	1,583	2013
560	FD-12	Truck-Brush	2002	11	\$40,000.00	3,636	2013
4054	RS-54	Rescue Crash Truck	1992	21	\$350,000.00	16,667	2013
				<b>Fund Total:</b>	<b>\$457,000.00</b>	<b>25,694</b>	
<b>Water &amp; Sewer Fund</b>							
417-A	SE-301A	Sewer TV System	2002	11	\$46,000.00	4,182	2013
				<b>Fund Total:</b>	<b>\$46,000.00</b>	<b>4,182</b>	
<b>Fiscal Year Total</b>					<b>\$503,000.00</b>	<b>\$29,875.87</b>	

# BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

## PROJECT DETAIL SHEET

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**Department:** Public Works

**Project Title:** Major Building System Replacement

**Project Location:** Town-wide

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**Project Status:** In Progress

**Description and Justification:**

This project provides for the systematic replacement of major building systems equipment at the end of their useful life. Funds would be set aside each year based on the projected replacement cost and useful life just like we do for vehicles and equipment. The building systems listed on the attached schedule are only those systems due for replacement in the next 5 years. The implementation of this building system replacement program will eliminate the need to use operational funds to replace system equipment, which fails unexpectedly during the fiscal year.

**Project Costs and Planned Financing of Project:**

Source of Funds	Total Project Estimate	Prior Allocation	2005/06	2006/07	2007/08	2008/09	2009/10	Current 5-Year Total	Future Years
Building Depreciation Fund	continuing	continuing		\$38,000	\$7,500	\$61,000	\$900	\$107,400	continuing
<b>Total</b>	continuing	continuing		\$38,000	\$7,500	\$61,000	\$900	\$107,400	continuing